

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS,
MELBOURNE.

OFFICIAL

YEAR BOOK

OF THE

COMMONWEALTH OF AUSTRALIA.

No. 15.—1922.

Prepared under Instructions from
The Minister of State for Home and Territories.

BY

CHAS. H. WICKENS, F.I.A., F.S.S.,
COMMONWEALTH STATISTICIAN.

Editor : JOHN STONHAM, M.A.



By Authority :

ALBERT J. MULLETT, GOVERNMENT PRINTER, MELBOURNE.

This page was added on 03 December 2012 to included the Disclaimer below.
No other amendments were made to this Product

DISCLAIMER

Users are warned that this historic issue of this publication series may contain language or views which, reflecting the authors' attitudes or that of the period in which the item was written, may be considered to be inappropriate or offensive today.

PREFACE.

By the Constitution of the Commonwealth of Australia, the Commonwealth is empowered "to make laws for the peace, order, and good government of the Commonwealth, with respect to," *inter alia*, "Census and Statistics." In the exercise of the power so conferred, a "Census and Statistics Act" was passed in 1905, and in the year following the "Commonwealth Bureau of Census and Statistics" was created. The first Official Year Book was published early in 1908. The publication here presented is the fifteenth Official Year Book issued under the authority of the Commonwealth Government.

With the exception that certain sections relating to allied subjects have been combined, the general arrangement of the work, which has received wide approval, follows that of previous issues, and is shewn in the synopsis on pp. xi to xxviii immediately following.

In addition, however, to what may be called purely statistical matter, each issue contains special articles dealing with some particular subject or subjects of more or less permanent interest. These cannot of course be repeated year after year, but in some instances a brief condensation is given in subsequent issues. Though many articles in Year Books Nos. 1 to 14 have been reduced to synopses or deleted in the present issue, sufficient indication is given to enable the subject to be traced in previous issues.

The present issue contains a specially-contributed article dealing with "Decimal Coinage." For convenience, this has been placed at the end of Section XXI., "Private Finance."

Amongst new matter contained in the various Sections, mention may be made of the conspectus of Acts relating to Weights and Measures, incorporated in Section XXXI., "Miscellaneous." Sections XXVII. and XXXIII., which, in previous Year Books, dealt respectively with (a) Industrial Unionism and Industrial Legislation, and (b) Labour and Industrial Statistics, have been combined in the present issue into one Section numbered XXVII., under the title of "Labour, Wages, Prices, etc." The information contained in this Section has been re-cast and much new matter has been added, including a reference to the inclusion of the cost of clothing in the determination of the purchasing power of money. A further re-arrangement has been effected by bringing together in Section XXIX., now entitled "The Territories of the Commonwealth," the information published in previous Year Books in Sections XXIX., New Guinea; XXXI., The Commonwealth Seat of Government; XXXII., The Northern Territory; and the sub-sections relating to Nauru and Norfolk Island from the "Miscellaneous Section." The matter in the new Section has been largely re-written.

The full text of the Commonwealth Constitution Act and Amendments appears on pages 8 to 26.

Recent information or returns which have come to hand since the various Sections were sent to press may be found in the Appendix, p. 1097.

The material contained in each Year Book is always carefully examined, but it would be idle to hope that all error has been avoided. The Commonwealth Statistician desires to express appreciation of the opportunity afforded him of improving the Year Book, by those who have been kind enough to point out defects or make suggestions.

PREFACE.

I desire to express my cordial thanks to the State Statisticians, to the responsible officers of the various Commonwealth and State Departments, and to others, who have kindly, and often at considerable trouble, supplied desired information.

In conclusion, I desire to express my keen appreciation of the valuable work performed by Mr. Stonham, the editor of the Year Book, and also of the services rendered by the officers in charge of the various branches of the Commonwealth Bureau of Census and Statistics, upon whom has devolved the duty of revising, or in some cases of re-writing the Sections relative to their respective branches.

CHAS. H. WICKENS,
Commonwealth Statistician

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS,
Melbourne, 30th November, 1922.

INDEX TO SPECIAL ARTICLES, ETC., APPEARING IN PREVIOUS ISSUES.

These articles have appeared in former issues of the Commonwealth Year Book, but, owing to exigencies of space, they are not included in this publication.

NOTE.—The Roman figures indicate the number of the Year Book to which reference is made.

	Year Book No.	Page
Aborigines of Australia	III.	158
Acts relating to the Constitutions of the Commonwealth and States ..	XIII.	927
Animals of Australia	I. 103; II.	111
Anthropometrical Measurements of Military Cadets	XI.	1203
Australia, Early History of	I.	44
Building Stones of Queensland	XII.	89
Building Stones of the Commonwealth	IX.	446
Characteristics of the Development of the Population of Australia and the Effect of the War thereupon	XIII.	1128
Chemical Products of Australian Eucalypts	X.	92
Climatic Factors influencing Settlement in Australia	XI.	84
Coastal Configuration of the Commonwealth	I.	59
Cost of Living in Australia, Inquiry into the	V.	1167
Education, Early History of Primary	I. 719; II.	880
Eucalyptus Timbers, Australian	X.	85
Evidences of Past Volcanic Action in Australia	XIV.	46
Exploration of Australia	II.	20
Fauna of Australia	I. 103; II.	111
Federal Capital	IV. 1134; V.	1139
Flora of Australia	I. 109; II.	117
Fodder Plants, Some Native Australian	VI.	1190
Geographical History of Australia with special reference to Changes of Climate	VII.	56
Geology of Australia	I. 70; II.	78
Grasses and Saltbushes of Australia	IX.	84
Hydrology	I. 69; II.	67
Influenza Epidemic of 1918-19	XIII.	1128
International Currency	XIII.	1130
Islands off the Coast of the Commonwealth	V.	51
Lakes of Australia	IV.	59
Land Tenure, Early History of	I. 219; II. 263; III. 245; IV.	235
Legislation relating to the Registration of Births, Deaths, and Marriages in Australia	XIII.	211
Lighthouses and Lights	II.	668
Mineral Springs in the Commonwealth	VI.	55
Mortality, Methods of Measuring Rates of	XII.	229
Mountains of Australia	I. 68; III.	59
Orography of Australia	I. 68; III.	59
Past Glacial Action in Australia	XIII.	1133
Plains and Peneplains of Australia	XII.	82
Ports of the Commonwealth	III.	669
Preferential Voting	V. 1210; VI.	1182
Premiers' Conference, 1914	VII.	1055
Premiers' Conference, 1915	VIII.	1081
Purchasing-Power of Money	V.	1167
Rivers of Australia	I. 69; II.	67
Saltbushes and Grasses of Australia	IX.	84
School Children in Australia and other Countries, Comparisons ..	V.	1132
Seat of Government, Commonwealth (Special Article)	IV. 1134; V.	1139
Seismology in Australia	IV.	82
Statistical Bureaux of the several States	I.	2
Statistical Conferences, and Census and Statistics Act	I. 6, 8, 12	
Statistical Effort, Co-ordination of, and Uniformity of Statistics ..	I.	5, 8
Suicide in Australia	V. 240; VI.	239
Timbers, Australian Eucalyptus	X.	85
Trade of the Individual States of the Commonwealth	I. 524; II. 645; III. 647; IV.	664
Treasurers' Conference, 1914	VII.	1061
Universities	I. 739; II.	898
Vegetation of Australia	I. 109; II.	117

CONTENTS.

SECTION.	SUBJECT.	PAGE
	STATISTICAL SUMMARY, 1871-1921	xxix
	CHRONOLOGICAL TABLE OF CHIEF EVENTS	xxxi
I.	STATISTICAL ORGANIZATION AND SOURCES OF INFORMATION ..	1
II.	DISCOVERY, COLONISATION, AND FEDERATION OF AUSTRALIA ..	6
III.	PHYSIOGRAPHY	40
IV.	POPULATION	1046
V.	VITAL STATISTICS	74
VI.	LAND TENURE AND SETTLEMENT	150
VII.	PASTORAL PRODUCTION	205
VIII.	AGRICULTURAL PRODUCTION	239
IX.	FARMYARD AND DAIRY PRODUCTION	296
X.	FORESTS, FORESTRY, AND FORESTAL PRODUCTS	309
XI.	FISHERIES AND PISCICULTURE	319
XII.	MINES AND MINING	326
XIII.	MANUFACTURING INDUSTRIES	377
XIV.	WATER CONSERVATION AND IRRIGATION	433
XV.	COMMERCE	457
XVI.	SHIPPING	506
XVII.	ROADS AND RAILWAYS	524
XVIII.	POSTS, TELEGRAPHS, AND TELEPHONES.. .. .	601
XIX.	COMMONWEALTH FINANCE	639
XX.	STATE FINANCE	668
XXI.	PRIVATE FINANCE	693
XXII.	PUBLIC INSTRUCTION	725
XXIII.	PUBLIC JUSTICE	765
XXIV.	PUBLIC BENEVOLENCE	785
XXV.	GENERAL GOVERNMENT	798
XXVI.	LOCAL GOVERNMENT	821
XXVII.	LABOUR, WAGES, AND PRICES.. .. .	852
XXVIII.	DEFENCE	914
XXIX.	THE TERRITORIES OF THE COMMONWEALTH	937
XXX.	PUBLIC HYGIENE	997
XXXI.	MISCELLANEOUS	1016
	APPENDIX	1097
	INDEX	1100

INDEX TO MAPS, GRAPHS, AND DIAGRAMS.

	PAGE
Agriculture, Principal Crops	275, 276
Artesian Basins	439
Banking Statistics	707
Barometric Pressures	67
Births	105, 108, 109
Commerce, Value of	473, 474
Cost of Living in 150 Towns	903
Crops, Area	275
Dairy Production	210
Deaths	107 to 111
Debt, Public, Commonwealth and States	671
Interest, Commonwealth and States	674
Evaporation and Rainfall	66
Heat Waves and Maximum Temperature	68
Index-Numbers—	
Effective Wage, 1906 to 1921	902
Melbourne Wholesale Prices, 1861 to 1921	904
Nominal Wage, 1906 to 1921	901
Infantile Death Rate	111
Interest on Public Debt, Commonwealth and States	674
Lands, Crown, Alienation of	204
Life Assurance	708
Living, Cost of, in 150 Towns	903
Marriages	106, 108
Masculinity of Population	1073
Minerals, Value of Production	373, 374
Natural Increase of Population	1072
New Guinea, Map	969
Pastoral Production	209
Population of Australia	1067
Distribution at Census of 3rd April, 1911	1074
Male and Female	1068, 1069
Masculinity	1073
Natural Increase	1072
Total Increase	1070, 1071
Price Index-Numbers, Melbourne Wholesale	904
Production—	
Agricultural	276
Dairy	210
Mineral	373, 374
Pastoral	209
Public Estate, Condition of	204
Railway Systems, State Government—	
Financial Position	571
Percentage of Net Revenue to Capital Cost	574
Percentage of Working Expenses to Gross Revenue	573

	PAGE
Rainfall—	
and Evaporation	66
Distribution, Annual	72
Distribution, Mean Monthly	71
Wettest Months	69
Revenue, Commonwealth and States	672
Savings Banks in Australia	771
Taxation, Commonwealth and States	673
Temperature—	
Fluctuations of	65
Longest Heat Waves and Maximum Temperatures	68
Mean Monthly Temperature of Principal Australian Cities, 1912 to 1921	70
Trade, Total Value of	473
Value per Inhabitant	474
Wage Index-Numbers	901, 902
Wettest Months	69

SYNOPSIS.

SECTION I.—STATISTICAL ORGANISATION AND SOURCES OF INFORMATION.

	PAGE		PAGE
§ 1. Introduction—		§ 2. Statistical Publications of Australia—	
1. Development of Australian Statistics	1	1. Introductory	2
2. Sources of Information	2	2. Commonwealth Publications	2
3. Maintenance of Secrecy	2	3. State Publications	3
4. Accuracy Essential	2	§ 3. Bibliography of Recent Works on Australia—	
		1. General	4
		2. Works on Special Subjects	5

SECTION II.—DISCOVERY, COLONISATION, AND FEDERATION OF AUSTRALIA.

§ 1. Early Knowledge of Australia	6	§ 8. The Creation of the Commonwealth—	
§ 2. The Taking Possession of Australia	6	1. The Act	8
§ 3. The Creation of the Several Colonies—		Chapter I.—The Parliament	9
1. Introduction	6	Part I.—General	9
2. British New Guinea or Papua	7	Part II.—The Senate	10
3. Transfer of the Northern Territory to the Commonwealth	7	Part III.—The House of Rep'sent'vs	12
4. Norfolk Island	7	Part IV.—Both Houses of the Parlt	13
§ 4. The Transfer of the Federal Capital Territory to the Commonwealth	7	Part V.—Powers of the Parliament	15
§ 5. The Exploration of Australia	7	Chapter II.—The Executive Government	18
§ 6. The Constitutions of the States	7	Chapter III.—The Judicature	19
§ 7. The Federal Movement in Australia	7	Chapter IV.—Finance and Trade	20
		Chapter V.—The States	23
		Chapter VI.—New States	24
		Chapter VII.—Miscellaneous	25
		Chapter VIII.—Alteration of the Constitution	25
		2. The Royal Proclamation	26
		§ 9. Commonwealth Legislation—	
		1. The Commonwealth Parliaments	26
		2. The Several Administrations	27
		3. The Course of Legislation	31

SECTION III.—PHYSIOGRAPHY.

	PAGE		PAGE
§ 1. General Description of Australia—		§ 5. The Geology of Australia— <i>continued.</i>	
1. Geographical Position	40	5. Past Glacial Action in Australia ..	47
2. Area of Australia compared with areas of other Countries ..	40	6. Evidences of Past Volcanic Action in Australia ..	47
3. Relative areas of Political Subdivisions ..	45	§ 6. Climate and Meteorology of Australia—	
4. Coastal Configuration	46	1. Introductory	48
5. Geographical Features of Australia ..	46	2. Meteorological Publications	48
§ 2. The Fauna of Australia	47	3. General Description of Australia ..	48
§ 3. The Flora of Australia	47	4. Meteorological Divisions	49
§ 4. Seismology in Australia	47	5. Temperatures	49
§ 5. The Geology of Australia—		6. Relative Humidity	50
1. General	47	7. Evaporation	51
2. Geological Map of Australia	47	8. Rainfall	51
3. The Plains and Peneplains of Australia	47	9. Remarkable Falls of Rain	54
4. The Building Stones of Australia ..	47	10. Snowfall	57
		11. Hail	57
		12. Barometric Pressures	57
		13. Wind	57
		14. Cyclones and Storms	57
		15. Influences affecting Australian Climate	58
		16. Comparison of Rainfalls and Temperatures	58
		17. Climatological Tables	59

SECTION IV.—POPULATION.

§ 1. Commonwealth Population—Its Distribution and Fluctuation—		§ 7. Dwellings in the Commonwealth ..	1079
1. Present Population	1046	§ 8. Territories of the Commonwealth ..	1080
2. Growth of Population	1046	§ 9. Assisted Immigration	1082
§ 2. Influences affecting Growth and Distribution of Population—		§ 10. Enumerations and Estimates—	
1. Mineral Discoveries	1049	1. Musters	1083
2. Pastoral Development	1049	2. Census-taking	1083
3. Agricultural Expansion	1049	3. The Census of 1901	1083
4. Progress of Manufacturing Industries ..	1049	4. The Census of 1911	1084
5. Influence of Droughts	1049	5. The Census of 1921	1084
6. Other Influences	1050	6. Population at Censuses from 1828 to 1921	1085
§ 3. Special Characteristics of Commonwealth Population—		7. Estimates of Population	1086
1. Sex Distribution	1050	§ 11. Census of 4th April, 1921—	
2. Age Distribution	1052	1. Numbers Enumerated	1088
3. Race and Nationality	1053	2. Growth during last Four Decennia ..	1089
4. Differences among the States and Territories	1056	§ 12. Naturalization—	
§ 4. Elements of Growth of Population—		1. The Commonwealth Act	1090
1. Natural Increase	1058	2. Statistics of Naturalization	1092
2. Comparison with other Countries ..	1059	3. Census Particulars	1093
3. Net Immigration	1060	§ 13. Graphical Representation of Growth of Population—	
4. Total Increase	1061	1. General	1093
5. Rates of Increase	1063	2. Graphs of Total Population	1094
6. Density of Population	1064	3. Graphs for Commonwealth of Male and Female Population	1095
§ 5. Seasonal Variations of Population—		4. Graphs for each State of Male and Female Population	1095
1. Natural Increase	1066	5. Graphs for Natural Increase of Population, Commonwealth and States	1095
2. Net Immigration	1075	6. Graphs shewing Total Increase of Population	1095
§ 6. Urban Population—		7. Graphs shewing Masculinity of Population, Commonwealth and States	1096
1. The Metropolitan Towns	1075		
2. Urban Population Generally	1076		

SECTION V.—VITAL STATISTICS.

	PAGE		PAGE
§ 1. Births—		§ 3. Deaths—continued.	
1. Male and Female Births, 1915 to 1921 ..	74	12. Birthplaces of Persons who Died in 1921 ..	116
2. Total Births, 1915 to 1921 ..	74	13. Occupations of Male Persons who Died in 1921 ..	117
3. Birth Rates, 1915 to 1921 ..	75	14. Index of Mortality ..	118
4. Birth Rates of various Countries ..	76	15. Monthly Variations in Death Rates ..	120
5. Masculinity at Birth ..	77	16. Causes of Death ..	121
6. Ex-nuptiality of Births ..	78	17. Certification of Deaths ..	125
7. Multiple Births ..	79	18. Deaths from Special Causes ..	126
8. Ages of Parents ..	80	19. Causes of Death in Classes ..	140
9. Birthplaces of Parents ..	82	20. Deaths of Children under one year ..	140
10. Occupations of Fathers ..	83	21. Ages at Death of Married Males and Females, and Issue ..	141
11. Mother's Age, Duration of Marriage, and Issue ..	85	22. Ages at Marriage of Males and Females, and Issue ..	142
12. Interval between Marriage and First Birth ..	87	23. Duration of Life after Marriage of Males and Females ..	143
13. Interval between Birth and Registration of Birth ..	89	24. Birthplaces of Married Males and Females, and Issue ..	143
§ 2. Marriages—		25. Occupations of Married Males, and Issue ..	143
1. Marriages, 1915 to 1921 ..	89	§ 4. Legislation relating to Registration of Births, Deaths, and Marriages, and Legitimation of Children—	144
2. Marriage Rates, 1915 to 1921 ..	90	§ 5. Graphical Representation of Vital Statistics—	
3. Marriage Rates in various Countries ..	90	1. General ..	144
4. Age at Marriage ..	91	2. Graphs of Annual Births, Commonwealth and States ..	145
5. Previous Conjugal Condition ..	93	3. Graphs of Annual Marriages, Commonwealth and States ..	147
6. Birthplaces of Persons Married ..	93	4. Graphs of Annual Deaths, Commonwealth and States ..	147
7. Occupations and Ages of Bridegrooms ..	94	5. Graphs of Annual Birth, Death, and Marriage Rates and Rate of Natural Increase—Commonwealth ..	147
8. Fertility of Marriages ..	96	6. Graphs of Annual Birth Rates—States ..	148
9. Registration of Marriages ..	96	7. Graphs of Annual Death Rates—States ..	149
10. Mark Signatures ..	96	8. Graphs shewing Variations in Annual Death Rates from Month to Month ..	149
§ 3. Deaths—			
1. Male and Female Deaths, 1915 to 1921 ..	97		
2. Male and Female Death Rates, 1921 ..	98		
3. Death Rates of various Countries ..	98		
4. Total Deaths, 1915 to 1921 ..	99		
5. Crude Death Rates, 1915 to 1921 ..	99		
6. Male and Female Death Rates, 1915 to 1921 ..	99		
7. Infantile Death Rate ..	100		
8. Deaths in Age Groups, 1915 to 1921 ..	103		
9. Deaths at Single Ages and in Age Groups, 1921 ..	103		
10. Deaths of Centenarians, 1921 ..	114		
11. Length of Residence in the Commonwealth of Persons who Died in 1921 ..	115		

SECTION VI.—LAND TENURE AND SETTLEMENT.

§ 1. Introduction and Early History—		§ 5. Sales by Auction and Special Sales—	
1. Introduction ..	150	1. Introduction ..	158
§ 2. Land Legislation in Individual States—		2. New South Wales ..	158
1. New South Wales ..	150	3. Victoria ..	159
2. Victoria ..	150	4. Queensland ..	159
3. Queensland ..	151	5. South Australia ..	160
4. South Australia ..	151	6. Western Australia ..	161
5. Western Australia ..	151	7. Tasmania ..	161
6. Tasmania ..	151	§ 6. Conditional Purchases—	
7. Northern Territory ..	151	1. Introduction ..	162
8. Administration and Classification of Crown Lands ..	151	2. New South Wales ..	162
§ 3. Tenures under which Crown Lands may be Alienated or Occupied—		3. Victoria ..	163
1. Introduction ..	152	4. Queensland ..	163
2. Classification of Tenures ..	152	5. South Australia ..	164
3. Limitation of Tenures in N.S.W. ..	155	6. Western Australia ..	165
4. Tenure of Lands by Aliens ..	155	7. Tasmania ..	166
§ 4. Free Grants, Reservations and Dedications—		§ 7. Leases and Licences—	
1. Introduction ..	156	1. Introduction ..	166
2. New South Wales ..	156	2. New South Wales ..	166
3. Victoria ..	157	3. Victoria ..	167
4. Queensland ..	157	4. Queensland ..	168
5. South Australia ..	157	5. South Australia ..	170
6. Western Australia ..	157	6. Western Australia ..	171
7. Tasmania ..	157	7. Tasmania ..	171
		8. Northern Territory ..	171

SECTION VI.—LAND TENURE AND SETTLEMENT—*continued.*

	PAGE		PAGE
§ 8. Closer Settlement and Soldier Settlement—		§ 11. Alienation and Occupation of Crown Lands in the Several States—	
1. Introduction	173	1. Introduction	192
2. Government Loans to Settlers ..	174	2. New South Wales	193
3. New South Wales	174	3. Victoria	194
4. Victoria	176	4. Queensland	194
5. Queensland	179	5. South Australia	195
6. South Australia	180	6. Western Australia	196
7. Western Australia	182	7. Tasmania	197
8. Tasmania	184	8. Northern Territory	198
9. Northern Territory	184		
§ 9. Occupation of Crown Lands under Leases and Licenses issued by Mines Departments—		§ 12. Classification of Holdings according to Size—	
1. Introduction	185	1. General	198
2. New South Wales	185	2. New South Wales	199
3. Victoria	186	3. Victoria	199
4. Queensland	187	4. South Australia	200
5. South Australia	188	5. Western Australia	200
6. Western Australia	189	6. Tasmania	201
7. Tasmania	190		
8. Northern Territory	191	§ 13. The Progress of Land Settlement, 1901 to 1920—	
§ 10. Resumption by Crown of Alienated Lands—		1. Recent Progress	201
1. General	192	2. Diagram showing Condition of Public Estate	203
2. Areas Resumed	192	3. Federal Territory	204

SECTION VII.—PASTORAL PRODUCTION.

§ 1. Initiation and Growth of Pastoral Industry—		§ 5. Wool—	
1. Early Statistics	205	1. Importance of Wool Production ..	222
2. Subsequent Statistics	205	2. Greasy and Scoured Wool	222
3. Increase in Numbers	205	3. Total Production	222
4. Fluctuations	206	4. Wool Locally Used	223
5. Live Stock in Relation to Population ..	206	5. Bounties on Combed Wool or Tops Exported	223
6. Live Stock in Relation to Area	207	6. Exports of Wool	224
7. Minor Classes of Live Stock	207	7. Care needed in Comparing Clips	225
8. Net Exports of Principal Pastoral Products	207	8. Wool-producing Countries in Southern Hemisphere	225
§ 2. Horses—		9. United Kingdom Importation of Wool	226
1. Suitability of Australia for Horse-breeding	208	10. World's Wool Production	226
2. Distribution throughout the Commonwealth	208	11. The Wool Market	228
3. Proportion in the several States	211	12. Average Export Value	231
4. Oversea Export Trade in Horses	211	13. Exports of Wool from each State and Quantity sold Locally	231
5. Comparison with other Countries	213	14. Exports of Wool from Commonwealth and Quantity sold Locally	232
6. Relation to Population	213	15. Quantities of Various Descriptions of Wool sold in each State	233
§ 3. Cattle—		16. Percentages of Various Descriptions of Wool sold in each State	234
1. Purposes for which Raised	214		
2. Distribution throughout C'wealth	214	§ 6. Hides and Sheepskins—	
3. Proportion in each State	215	1. Extent of Trade	234
4. Imports and Exports of Cattle	215	2. Sheepskins with Wool	234
5. Cattle Slaughtered	216	3. Sheepskins without Wool	235
6. Export of Beef preserved by Cold Process	216	4. Hides	236
7. Comparison with other Countries	217		
8. Relation to Population	217	§ 7. Graphical Representation of Pastoral Production—	
§ 4. Sheep—		1. General	237
1. The Founding of the Commonwealth Pastoral Industry	218	2. Horses	237
2. Distribution throughout C'wealth	218	3. Cattle	237
3. Proportion in the several States and Territories	218	4. Sheep	237
4. Oversea Imports & Exports of Sheep	219	5. Pigs	238
5. Sheep Slaughtered	219		
6. Exports of Mutton and Lamb preserved by Cold Process	219		
7. Comparison with other Countries	221		
8. Relation to Population	221		

SECTION VIII.—AGRICULTURAL PRODUCTION.

	PAGE		PAGE
§ 1. Introductory—		§ 10. Other Root and Tuber Crops—	
1. Early Attempts at Agriculture ..	239	1. Nature and Extent ..	268
2. The First Sowing ..	239	2. Commonwealth Imports & Exports ..	268
3. Discovery of Suitable Agricul. Land ..	239		
§ 2. Progress of Agriculture—		§ 11. Hay—	
1. Early Records ..	239	1. Nature and Extent ..	269
2. Progress of Cultivation since 1860 ..	240	2. Kinds of Hay ..	269
3. Relation to Population ..	240	3. Total Yield ..	270
4. Relation to Total Area ..	241	4. Value of Hay Crop ..	271
5. Artificially-sown Grasses ..	241	5. Average Yield per Acre ..	271
		6. Relation to Population ..	271
§ 3. Relative Importance of Crops—		7. Oversea Imports and Exports ..	271
1. Distribution of Crops ..	242	8. Hay Production in other Countries ..	272
2. Relative Areas of Crops in States and Territories ..	242		
3. Relative Positions of States and Territories in regard to Crops ..	243	§ 12. Green Forage—	
4. Acreage of Principal Crops, Cwith. ..	244	1. Nature and Extent ..	272
		2. Value of Green Forage Crops ..	272
§ 4. Wheat—		3. Relation to Population ..	272
1. Progress of Wheat-growing ..	244		
2. Australian & Foreign Wheat Yields ..	246	§ 13. Sugar Cane—	
3. Wheat Crops of the World ..	247	1. Area ..	273
4. Prices of Wheat ..	248	2. Productive and Unproductive Cane ..	273
5. Imports & Exports of Wheat & Flour ..	248	3. Yield of Cane and Sugar ..	273
6. Value of the Wheat Crop ..	251	4. Average Yields of Cane and Sugar per Acre ..	274
7. The Australian Wheat Marketing Scheme ..	251	5. Quality of Cane ..	274
		6. Relation to Population ..	277
§ 5. Oats—		7. Sugar Bounties ..	277
1. Progress of Cultivation ..	254	8. Sugar Purchase by Commonwealth Government ..	277
2. Total Yield ..	254	9. Beet Sugar ..	278
3. Average Yield ..	255	10. Acreage and Yield of Sugar Beet ..	278
4. Relation to Population ..	255	11. Imports and Exports of Sugar ..	278
5. Value of Oat Crop ..	255		
6. Imports and Exports ..	256	§ 14. Vineyards—	
7. Oatmeal, etc. ..	256	1. Nature and Extent ..	279
8. Comparisons with other Countries ..	256	2. Wine Production ..	279
9. Comparison of Yields ..	257	3. Relation to Population ..	280
10. Price of Oats ..	257	4. Imports and Exports ..	280
		5. Other Viticultural Products ..	281
§ 6. Maize—		6. Imports and Exports ..	282
1. States Growing Maize ..	257		
2. Area under Maize ..	257	§ 15. Orchards and Fruit Gardens—	
3. Total Yield ..	258	1. Nature and Extent ..	282
4. Average Yield ..	258	2. Relation to Population ..	283
5. Value of Maize Crop ..	259	3. Commonwealth Imports & Exports ..	284
6. Relation to Population ..	259	4. Jams and Jellies ..	285
7. Australian and Foreign Maize Production ..	259	5. Preserved Fruit ..	285
8. Comparison of Yields ..	260		
9. Oversea Imports and Exports ..	260	§ 16. Minor Crops—	
10. Prepared Maize ..	260	1. Nature and Extent ..	285
11. Price of Maize ..	260	2. Market Gardens ..	285
		3. Grass Seed ..	286
§ 7. Barley—		4. Tobacco ..	286
1. Area under Barley ..	261	5. Pumpkins and Melons ..	286
2. Total Yield ..	261	6. Hops ..	286
3. Malting and other Barley ..	262	7. Flax ..	286
4. Total Acreage and Yield ..	262	8. Millet ..	287
5. Value of Barley Crop ..	263	9. Nurseries ..	287
6. Relation to Population ..	263	10. Cotton ..	287
7. Commonwealth Imports & Exports ..	263	11. Coffee ..	286
8. C'wealth Imports & Exports of Malt ..	264	12. Other Crops ..	286
9. Comparison with other Countries ..	264		
10. Average Yield of Barley per acre in various Countries ..	265	§ 17. Bounties on Agricultural Products—	
11. Average Yield ..	265	1. General ..	286
12. Price of Barley ..	265		
§ 8. Other Grain and Pulse Crops ..	266		
§ 9. Potatoes—		§ 18. Fertilizers—	
1. Area ..	266	1. General ..	289
2. Total Yield ..	267	2. Fertilizers Acts ..	289
3. Average Yield per Acre ..	267	3. Imports ..	289
4. Value of Potato Crop ..	267	4. Exports ..	290
5. Relation to Population ..	268	5. Statistics of Use of Fertilizers ..	290
6. Commonwealth Imports & Exports ..	268	6. Local Production of Fertilizers ..	292
		7. Benefits Derived from the Use of Fertilizers ..	292

SECTION VIII.—AGRICULTURAL PRODUCTION—*continued.*

	PAGE		PAGE
§ 19. Ensilage—		§ 21. Government Loans to Farmers—	
1. Value to Stockowners ..	292	1. Introduction ..	294
2. Government Assistance in the Pro- duction of Ensilage ..	292	2. Aggregate of Transactions in each State, ..	294
3. Quantity made ..	293	3. Legislation in each State ..	295
§ 20. Agricultural Colleges and Experimental Farms—		4. Particulars Respecting Agricultural and Stock Departments ..	295
1. Introduction ..	293	§ 22. Graphical Representation of Crops—	
2. Particulars of Agricultural Colleges and Experimental Farms ..	293	1. Areas of Principal Crops ..	295
		2. Production ..	295

SECTION IX.—FARMYARD AND DAIRY PRODUCTION.

§ 1. Introductory—		§ 5. Bee Farming—	
1. General ..	296	1. The Bee Farming Industry ..	304
2. Official Supervision of Industry ..	296	2. Production of Honey and Beeswax ..	305
3. Mixed Farming ..	296	3. Oversea Trade in Bee Products ..	306
4. Factory System ..	296		
5. Butter and Cheese Factories ..	297	§ 6. Summary of Australian Farmyard and Dairy Products ..	306
§ 2. Milk, Butter, and Cheese—		§ 7. Summary of Australian Farmyard and Dairy Products Exported ..	307
1. Dairy Herds ..	297	§ 8. British Imports of Dairy Products—	
2. Milk ..	297	1. Value of Britain's Imports of Dairy Products ..	307
3. Butter and Cheese ..	298	2. Butter ..	308
4. Concentrated Milk ..	299	3. Cheese ..	308
5. Oversea Trade in Milk, Butter, and Cheese ..	299	4. Bacon and Ham ..	308
6. Local Consumption of Butter and Cheese ..	300	5. Pork ..	308
§ 3. Pigs, Bacon, etc.—		6. Other Products ..	308
1. Pigs ..	300	§ 9. Graphical Representation of Dairy Pro- duction ..	308
2. Bacon and Ham ..	300		
3. Oversea Trade in Pig Products ..	301		
4. Local Consumption of Bacon and Ham ..	302		
5. Total Dairy Production ..	302		
§ 4. Poultry Farming—			
1. Development of the Industry ..	303		
2. Poultry Products ..	303		
3. Oversea Trade in Poultry Products ..	304		

SECTION X.—FORESTS, FORESTRY, AND FORESTAL PRODUCTS.

§ 1. The Forests of Australia—		§ 3. Commercial Uses of Principal Australian Timbers—	
1. Extent of Forests ..	309	1. General ..	312
2. Distribution of Timber ..	310	2. Uniformity in Nomenclature ..	312
§ 2. Forestry—		§ 4. Forestal Industries and Production—	
1. Objects ..	310	1. Timber ..	313
2. Forestry Departments ..	310	2. Other Forest Products ..	313
3. Sylvicultural Nurseries and Plan- tations ..	311	§ 5. Oversea Trade—	
4. Revenue and Expenditure ..	311	1. Imports ..	313
5. Instruction in Scientific Forestry ..	312	2. Exports ..	314
6. Forest Congresses ..	312		

SECTION XI.—FISHERIES AND PISCICULTURE.

§ 1. Commercial Fisheries—		§ 4. Development of the Fishing Industry—	
1. Fish Stocks ..	319	1. Transport and Marketing ..	324
2. Economic Fisheries ..	319	2. Experiment and Culture ..	324
3. Distribution of Supplies ..	319	3. Consumption of Fish ..	324
4. Oyster Fisheries ..	319	§ 5. The Commonwealth Department of Fisheries ..	325
5. Pearl-shelling, etc. ..	319	§ 6. The State Trawling Industry—New South Wales ..	325
§ 2. Fisheries Statistics—		§ 7. Fish Preserving ..	325
1. Estimates for the Commonwealth ..	320		
§ 3. Oversea Trade in Fish ..	323		

SECTION XII.—MINES AND MINING.

	PAGE		PAGE
§ 1. The Mineral Wealth of Australia—		(B) NON-METALLIC MINERALS.	
1. Place of Mining in Australian Development	326	§ 10. Coal—	
2. Extent of Mineral Wealth	326	1. Production in each State	354
3. Quantity and Value of Production during 1920	326	2. Distribution and Quantity of Coal in each State	355
4. Total Production to end of 1920	328	3. Production of Coal in various Countries	359
(A) METALLIC MINERALS.		4. Export of Coal	360
§ 2. Gold—		5. Consumption of Coal in Australia	361
1. Discovery of Gold in various States	329	6. Price of Coal	361
2. Production of Gold at various Periods	329	7. Price of Coal in the United Kingdom	362
3. Changes in Relative Positions of States as Gold Producers	331	8. Employment and Accidents in Coal Mining	362
4. Methods of Gold Mining adopted in each State	331	§ 11. Coke—	
5. Remarkable Masses of Gold	335	1. Production of Coke	363
6. Modes of Occurrence of Gold in Aust.	335	§ 12. Oil Shale and Mineral Oils—	
7. Place of Commonwealth in the World's Gold Production	335	1. Production of Shale	364
8. Employment in Gold Mining	336	2. Export of Shale	365
§ 3. Platinum and the Platinoid Metals—		3. Shale Oil Bounties	365
1. Platinum	337	§ 13. Other Non-Metallic Minerals—	
2. Osmium, Iridium, etc.	337	1. Alunite	366
§ 4. Silver—		2. Asbestos	366
1. Occurrence in each State	338	3. Barytes	366
2. Development of Silver Mining	338	4. Clays and Pigments	366
3. Chief Centres of Silver Production	339	5. Coorongite	367
4. World's Production of Silver	340	6. Fuller's Earth	367
5. Prices of Silver	340	7. Graphite	367
6. Employment in Silver Mining	341	8. Gypsum	367
§ 5. Copper—		9. Magnesite	368
1. Production of Copper	341	10. Tripolite or Diatomaceous Earth	368
2. Sources of Production	342	11. Salt	368
3. Prices of Copper	343	12. Natural Manures	369
4. World's Production of Copper	343	§ 14. Gems and Gemstones—	
5. Employment in Copper Mining	343	1. Diamonds	369
§ 6. Tin—		2. Sapphires	369
1. Production of Tin	344	3. Precious Opal	370
2. Sources of Production	344	4. Other Gems	370
3. World's Production of Tin	345	(C) GENERAL.	
4. Prices of Tin	346	§ 15. Numbers Engaged, Wages Paid, and Accidents in Mining—	
5. Employment in Tin Mining	346	1. Total Employment in Mining	371
§ 7. Zinc—		2. Wages Paid in Mining	371
1. Production of Zinc	347	3. Accidents in Mining	372
2. Prices of Zinc	347	§ 16. State Aid to Mining—	
§ 8. Iron—		1. Introduction	372
1. General	347	2. New South Wales	373
2. Production of Iron	348	3. Victoria	372
§ 9. Other Metallic Minerals—		4. Queensland	372
1. Antimony	350	5. South Australia	375
2. Arsenic	351	6. Western Australia	375
3. Bismuth	351	7. Tasmania	375
4. Chromium	351	8. Northern Territory	375
5. Cobalt	351	§ 17. Commonwealth Government Control of Industrial Metals	375
6. Lead	351	§ 18. Estimated Metallic Contents of Ores, etc., Produced in Australia—	
7. Manganese	352	1. Local Production	376
8. Mercury	352	2. Metallic Contents of Ores, Concentrates, etc., Exported	376
9. Molybdenum	352		
10. Radium	353		
11. Tungsten	353		
12. Tantalum	354		
13. Uranium	354		

SECTION XIII.—MANUFACTURING INDUSTRIES.

§ 1. General—		§ 4. Factories Using Mechanical Power—	
1. Industrial Progress	377	1. Use of Mechanical Power	382
2. Defects in Industrial Statistics	378	§ 5. Numbers Employed in Australian Factories—	
3. Classification of Manufacturing Industries	379	1. Total Number Employed	385
§ 2. Number of Factories—		2. Classification of Numbers Employed in Factories in Commonwealth	386
1. General	380	3. Classification of Numbers Employed in each State according to Class of Industry	387
§ 3. Factories Classified by Number of Employees—		4. Classification of Numbers Employed according to Nature of Employment	387
1. General	381	5. Outworkers	388

SECTION XIII.—MANUFACTURING INDUSTRIES—*continued.*

§ 6. Sex Distribution in Factories—	PAGE	§ 10. Individual Industries—	PAGE
1. Employment of Females in Factories	388	1. General	410
2. Distribution of Employees according to Sex	388	2. Tanning Industry	410
3. Rate of Variation for each Sex	390	3. Fellmongering and Wool-scouring	411
4. Ratio of Female Employment in Factories	391	4. Soap and Candle Factories	411
5. Employment of Females in Particular Industries	391	5. Saw Mills, etc.	413
§ 7. Child Labour in Factories—		6. Agricultural Implement Factories	413
1. Conditions of Child Labour	392	7. Engineering Works, Ironworks, and Foundries	414
2. Average Number of Children Employed in Factories	392	8. Railway and Tramway Workshops	415
3. Percentage of Children on Total Persons Employed	393	9. Smelting Works, etc.	416
4. Industries Employing Child Labour	393	10. Bacon-curing Factories	417
5. Apprenticeship	394	11. Butter, Cheese, and Condensed Milk Factories	418
§ 8. Amount of Wages Paid and Value of Production—		12. Meat and Fish Preserving, Ice and Refrigerating Works	419
1. Introduction	396	13. Biscuit Factories	419
2. Amount of Salaries and Wages Paid	396	14. Jam and Fruit Preserving, Pickles, Sauces, and Vinegar	420
3. Value of Fuel and Light used in Factories	400	15. Confectionery	421
4. Value of Raw Materials used in Factories	401	16. Flour Mills	422
5. Total Value of Output of Manufacturing Industries	402	17. Sugar Mills	422
6. Value of Production of Manufacturing Industries	403	18. Sugar Refineries	424
§ 9. Land, Buildings, Plant and Machinery—		19. Breweries	424
1. General	406	20. Distilleries	425
2. Value of Land and Buildings	406	21. Tobacco, Cigars, and Cigarettes	425
3. Value of Plant and Machinery	408	22. Woolen, Cotton, and Tweed Mills	427
		23. Boots and Shoes	428
		24. Clothing (Tailoring & Slop) Factories	429
		25. Dressmaking and Millinery	429
		26. Electroplating, Stereotyping, Printing and Binding	430
		27. Coach and Wagon Building Works	431
		28. Furniture and Cabinet Making and Billiard Table Making	431
		29. Electric Light and Power Works	432
		30. Gas and Coke Works	432

SECTION XIV.—WATER CONSERVATION AND IRRIGATION.

§ 1. Artesian Water—		§ 2. Irrigation Schemes—	
1. General	433	1. General	441
2. New South Wales	434	2. New South Wales	442
3. Victoria	435	3. Victoria	446
4. Queensland	436	4. Queensland	451
5. South Australia	437	5. South Australia	451
6. Western Australia	438	6. Western Australia	454
7. Northern Territory	441	7. Murray Waters	454

SECTION XV.—COMMERCE.

§ 1. Introductory—		§ 2. Commonwealth Legislation Affecting Foreign Trade— <i>continued.</i>	
1. Constitutional Powers of Commonwealth in regard to Commerce	457	27. Tariff Board Act of 1921	460
§ 2. Commonwealth Legislation Affecting Foreign Trade—		28. Customs Tariff (New Zealand Preference) Act of 1921	460
1. Customs Act 1901	457	29. Customs Tariff (Industries Preservation) Act (Anti-dumping) 1921	460
2. Customs Tariff Act 1902	457	30. Customs Tariff (New Zealand Preference) Act 1922	461
3. Sea Carriage of Goods Act 1904	457	31. Meat Export Bounties Act 1922	461
4. Secret Commissions Act 1905	457	§ 3. Commonwealth Trade Commissioners	461
5. Commerce (Trade Descriptions) Act 1905	457	§ 4. Method of Recording Imports and Exports—	
6. Australian Industries Preservation Act 1906	457	1. Value of Imports	461
7. Customs Tariff 1906	458	2. Value of Exports	461
8. Customs Tariff (South African Preference) 1906	458	3. Records of Past Years	461
9. Australian Industries Preservation Act 1907	458	4. Ships' Stores	462
10. Customs Tariff 1908	458	§ 5. Oversea Trade—	
11. Customs Tariff Amendment Act 1908	458	1. Total Oversea Trade	462
12. Australian Industries Preservation Act 1909	458	2. Alteration of Trade Year	465
13. Customs (Interstate Accounts) Act 1910	458	3. Ratio between Exports and Imports	465
14. Australian Industries Preservation Act 1910	458	§ 6. Direction of Trade—	
15. Customs Act 1910	458	1. Imports according to Country of Shipment	467
16. Customs Tariff 1910	459	2. Imports according to Country of Origin	467
17. Customs Tariff 1911	459	3. Imports from the more Important Countries	468
18. Interstate Commission Act 1912	459	4. Imports of United Kingdom Origin	469
19. Trading with the Enemy Act 1914	459	5. Imports of British Possessions	470
20. Customs Act 1914	459	6. Principal Imports, the Produce of British Possessions	470
21. Income Tax Assessment Act 1915, and Amendment thereto	459	7. Imports from Foreign Countries	471
22. Customs Tariff Validation Act 1917	459	8. Principal Imports, the Produce of Foreign Countries	471
23. Apple Bounty Act 1918	459	9. Direction of Exports	475
24. Customs Tariff Validation Act 1919	459	10. Exports to the United Kingdom	477
25. Customs Act of 1920	459		
26. Customs Tariff 1921	460		

SECTION XV.—COMMERCE—*continued.*

	PAGE		PAGE
§ 6. Direction of Trade— <i>continued.</i>		§ 13. External Trade of Australia and other Countries—	
11. Principal Exports to British Possessions ..	478	1. Essentials of Comparisons ..	495
12. Principal Exports to Foreign Countries ..	479	2. "Special Trade" of various Countries ..	496
§ 8. Development of Export Trade to Eastern Countries—		3. External Trade as a Measure of Prosperity ..	497
1. Trade with Eastern Countries ..	481	§ 14. Trade of the United Kingdom with Australia, compared with Competing Countries—	
§ 9. Trade of Commonwealth since Federation—		1. Proportion of Trade from United Kingdom and competing Countries ..	497
1. Classified Summary of Australian Trade ..	487	2. Preferential Tariffs ..	501
§ 10. Exports according to Industries—		3. Reciprocal Tariffs ..	501
1. Classification of Produce ..	490	4. Preferential Tariff of the United Kingdom ..	502
2. Development of Industrial Groups in the Export Returns ..	491	5. Preferential Tariffs of the British Empire ..	502
§ 11. Movement of Specie and Bullion—		§ 15. Rates of Duty in Australia and other Countries ..	502
1. Specie and Bullion ..	491	§ 16. Customs Tariff of 1921 ..	503
§ 12. Effects of Prices on the Values of Exports—			
1. Significance of Price in Totals ..	493		
2. Effect of Prices ..	493		

SECTION XVI.—SHIPPING.

§ 1. General—		§ 4. Vessels Built and Registered—	
1. Record of Shipping before Federation ..	506	1. Vessels Registered ..	514
2. Shipping since Federation ..	506	2. Vessels Built ..	515
3. Difficulties of Comparisons of Total Shipping ..	506	§ 5. Interstate Shipping—	
4. Present System of Record ..	506	1. Total Vessels and Tonnage ..	516
§ 2. Oversea Shipping—		2. Vessels engaged solely in Interstate Trade ..	518
1. Total Oversea Shipping ..	507	3. Total Interstate Movement of Shipping ..	519
2. Comparison with other Countries ..	508	4. Interstate and Coastal Services ..	520
3. Shipping Communication with various Countries ..	508	§ 6. Tonnage of Cargo Discharged and Shipped ..	521
4. General Trend of Shipping ..	508	§ 7. Commonwealth Government Shipping Activities—	
5. Nationality of Oversea Shipping ..	510	1. Local Building Programme ..	521
6. Tonnage in Ballast ..	513	2. Vessels Built and Building in Great Britain ..	522
§ 3. Shipping of Ports—		3. Commonwealth Government Line of Steamers ..	522
1. Shipping of Ports ..	514	§ 8. World's Shipping Tonnage in 1914 and 1921 ..	522

SECTION XVII.—ROADS AND RAILWAYS.

§ 1. Roads and Bridges—		§ 2. Railways— <i>continued.</i>	
1. Introduction ..	524	(B) FEDERAL RAILWAYS—	
2. Expenditure on Roads and Bridges ..	524	1. General ..	544
3. New South Wales ..	525	2. Trans-Australian Railway ..	544
4. Victoria ..	526	3. Oodnadatta Line ..	544
5. Queensland ..	528	4. Federal Territory Railway ..	544
6. South Australia ..	528	5. Northern Territory Railway ..	544
7. Western Australia ..	530	6. Summary of Federal Railways ..	545
8. Tasmania ..	531	7. Mileage Open for Traffic, etc. ..	545
§ 2. Railways—		8. Cost of Construction and Equipment ..	546
(A) GENERAL—		9. Gross Revenue ..	546
1. Introduction ..	532	10. Working Expenses ..	548
2. Railway Statistics ..	532	11. Passenger Journeys and Tonnage of Goods and Live Stock ..	549
3. Railway Communication in the Commonwealth ..	532	12. Number and Description of Rolling Stock ..	550
4. Standard Times in Australia ..	534	13. Number of Railway Employees ..	550
5. Non-conformity of Gauge ..	534	14. Accidents, Number of Killed and Injured ..	550
6. Interstate Communication ..	534	15. Passenger Fares, Goods Rates and Parcels Rates ..	551
7. Unification of Gauge ..	535	(C) STATE RAILWAYS—	
8. Rolling Stock Gauges ..	536	1. Mileage Open, 1917 to 1921 ..	552
9. Mileage open for Traffic ..	537	2. Average Mileage Worked, Train-miles Run, Number of Passenger Journeys, and Tonnage of Goods and Live Stock carried on State Government Railways ..	553
10. Comparative Mileage of Government and Private Lines ..	538		
11. Comparative Railway Facilities in Different States and Territories ..	538		
12. Classification of Lines according to Gauge ..	538		

SECTION XVII.—ROADS AND RAILWAYS—*continued.*

	PAGE
§ 2. Railways—<i>continued.</i>	
(C) STATE RAILWAYS— <i>continued.</i>	
3. Length and Gauge of Railway Systems in each State ..	554
4. Administration and Control of State Railways ..	554
5. Lines under Construction and Lines Authorised ..	554
6. Cost of Construction and Equipment of State Railways ..	556
7. Gross Revenue: Total, per Average Mile Worked, & per Train-mile run ..	559
8. Coaching, Goods, and Miscellaneous Receipts ..	560
9. Coaching Traffic Receipts per Average Mile Worked, and per Passenger Train-mile ..	561
10. Goods and Live-stock Traffic Receipts per Mile Worked, per Goods Train-mile and per Ton carried ..	562
11. Working Expenses ..	563
12. Distribution of Working Expenses ..	565
13. Net Revenue ..	565
14. Traffic Conditions ..	566
15. Passenger-Mileage and Ton-Mileage ..	569
16. Interest Returned on Capital Expenditure ..	573
17. Passenger Fares and Goods Rates ..	574
18. Numbers and Description of Rolling-stock ..	577
19. Number of Railway Employees ..	577
20. Accidents—Number of Killed and Injured ..	578
(D) GRAPHICAL REPRESENTATION OF GOVERNMENT RAILWAY DEVELOPMENT—	
1. General ..	578
2. Capital Cost and Mileage Open ..	578
3. Cost per Mile Open ..	579
4. Gross Revenue ..	579
5. Working Expenses ..	579
6. Net Revenue ..	579

	PAGE
§ 2. Railways—<i>continued.</i>	
(D) GRAPHICAL REPRESENTATION OF GOVERNMENT RAILWAY DEVELOPMENT— <i>continued.</i>	
7. Percentage of Working Expenses on Gross Revenue ..	579
8. Percentage of Net Revenue on Capital Cost ..	579
9. General Indications of Graphs ..	580
(E) GOVERNMENT RAILWAYS GENERALLY—	
1. Rolling Stock ..	581
2. Railway Mileage (Route) open for Traffic ..	582
3. Railway Mileage (Track) open for Traffic ..	582
4. Summary of Working of Federal and State Government Railways ..	583
5. Government Railway Facilities ..	583
(F) PRIVATE RAILWAYS—	
1. Total Mileage Open ..	584
2. Classification of Private Railways ..	584
3. Private Railways open for General Traffic ..	584
4. Operations of Private Railways ..	584
5. Comparative Railway Statistics ..	586
§ 3. Tramways—	
1. General ..	587
2. New South Wales ..	588
3. Victoria ..	592
4. Queensland ..	596
5. South Australia ..	597
6. Western Australia ..	597
7. Tasmania ..	599
8. Electrical Traction in Commonwealth ..	599

SECTION XVIII.—POSTS, TELEGRAPHS AND TELEPHONES.

§ 1. Posts—	
1. The Commonwealth Postal Dept. ..	601
2. Development of Postal Services ..	601
3. State, Interstate & Oversea Postages for whole Commonwealth ..	602
4. State, Interstate & Oversea Postages for each State ..	603
5. Postal Facilities ..	603
6. Rates of Postage ..	604
7. Registered Letters, Packets, etc. ..	606
8. Aerial Mail Services ..	607
9. Ocean Mail Services ..	607
10. Amount of Mail Subsidies paid ..	614
11. Average and Fastest Time of Mails to and from London ..	614
12. Money Orders and Postal Notes ..	615
13. Number and Value of Money Orders and Postal Notes Issued and Paid ..	616
14. Classification of Money Orders Issued and Paid ..	617
15. Classification of Postal Notes Paid ..	618
16. Value Payable Parcel and Letter Post ..	619
17. Agricultural Produce Parcels Post ..	620
18. Transactions of the Dead Letter Off. ..	620
19. Post Offices and Receiving Offices and Employees ..	621
20. Gross Revenue of Postal Department ..	622
21. Expenditure in respect of the Postal Department ..	623
22. Balance Sheet of the Postmaster-General's Department ..	623
23. Royal Commission on Postal Services ..	625

§ 2. Telegraphs—	
1. First Lines Constructed ..	625
2. Development of Services ..	625
3. Number of Telegraph Offices and Length of Lines and Wire open ..	626
4. Revenue and Expenditure ..	626
5. Number of Telegrams Despatched ..	626
6. Rates for Transmission of Telegrams ..	627
7. Letter-telegrams ..	628
8. Wireless Telegraphy ..	628
§ 3. Submarine Cables—	
1. First Cable Communication with the Old World ..	630
2. The Tasmania-Victoria Cables ..	630
3. The Eastern Extension Company's Cables ..	630
4. The Pacific Cable ..	630
5. New Zealand Cables ..	632
6. The New Caledonia Cable ..	632
7. Number of Cablegrams Received and Despatched ..	632
8. Lengths of Cable Routes ..	633
9. Cable Rates ..	633
10. Subsidised Press Cable Service ..	635
11. Cable Subsidies Paid ..	635
§ 4. Telephones—	
1. Development of Telephone Services ..	635
2. Telephone Rates ..	636
3. Particulars of Telephone Services ..	636

SECTION XIX.—COMMONWEALTH FINANCE.

	PAGE		PAGE
§ 1. General—		§ 2. Consolidated Revenue Fund—continued.	
1. Financial Provisions of the Constitution ..	639	(C) EXPENDITURE—continued.	
2. Accounts of Commonwealth Government ..	639	12. Treasurer's Department ..	653
§ 2. Consolidated Revenue Fund—		13. Trade and Customs ..	654
(A) NATURE OF FUND ..	640	14. Defence ..	654
(B) REVENUE—		15. Navy Office ..	655
1. Total Collections ..	640	16. Postal ..	655
2. Collections per Head ..	641	17. Cost of the War ..	655
3. Sources of Revenue ..	641	(D) SUBSIDY PAID TO STATES—	
4. Customs Revenue for Past Five Years ..	642	1. Payments to the Several States ..	657
5. Excise Collections ..	642	§ 3. Trust Fund and Miscellaneous—	
6. Commonwealth Direct Taxation ..	643	1. Trust Accounts ..	657
7. Details of Postal Revenue ..	646	2. Australian Notes Account ..	658
8. Railways ..	646	3. Advances by Commonwealth Government to States ..	658
9. Commonwealth Steamships ..	646	4. London Flotations on behalf of States ..	658
10. Detained Enemy Vessels ..	647	5. Surplus Revenue ..	659
11. Other Public Works and Services ..	647	§ 4. Commonwealth Public Debt—	
12. Interest, Discount, etc. ..	647	1. Loans taken over from South Australia ..	660
13. Coinage ..	647	2. Loan Fund for Public Works, etc. ..	660
14. Defence ..	647	3. Properties transferred from States ..	660
15. Patents, etc. ..	647	4. War Loan from the Imperial Government ..	661
16. Unexpended Balance of London Orders ..	647	5. Flotation of War Loans in Australia ..	661
17. Miscellaneous ..	647	6. Total Commonwealth Public Debt ..	662
(C) EXPENDITURE—		7. Place of Flotation ..	662
1. Nature of Commonwealth Expenditure ..	648	8. Rates of Interest ..	663
2. Total Expenditure ..	648	9. Dates of Maturity ..	664
3. Expenditure per Head ..	648	10. Sinking Fund ..	664
4. New Works, etc. ..	647	§ 5. Budget of 1922-23—	
5. Details of Expenditure from Consolidated Revenue ..	649	1. Introductory ..	665
6. Governor-General ..	650	2. Revenue and Expenditure ..	665
7. Parliament ..	650	3. Remission of Taxation ..	665
8. Prime Minister's Department ..	651	4. Details of Revenue ..	666
9. Home and Territories ..	651	5. Details of Expenditure ..	666
10. Attorney-General's Department ..	652	6. Public Debt ..	666
11. Works and Railways Department ..	652	7. Cost of War Services ..	667
		8. Expenditure from Loan Fund ..	667
		9. Miscellaneous ..	667

SECTION XX.—STATE FINANCE.

§ 1. General—		§ 2. State Consolidated Revenue Funds—continued.	
1. Functions of State Governments ..	668	(D) PRINCIPAL STATE TAXES—continued.	
2. Accounts of State Governments ..	668	(c) Land Tax—	
3. Inter-relation of Commonwealth and State Finance ..	668	1. General ..	682
§ 2. State Consolidated Revenue Funds—		(d) Income Tax—	
(A) RECEIPTS—		1. General ..	682
1. Sources of Revenue ..	669	§ 3. Trust Funds—	
2. Amount Collected ..	669	1. Nature ..	683
3. Revenue per Head ..	669	2. Extent of Funds ..	683
4. Details for 1920-21 ..	670	§ 4. Loan Funds—	
5. Revenue per Head, 1920-21 ..	670	1. Nature ..	683
6. Relative Importance of Sources of Revenue ..	670	2. Loan Expenditure, 1920-21 ..	684
7. State Taxation ..	675	3. Aggregate Loan Expenditure ..	684
8. Commonwealth and State Taxation ..	676	4. Relative Importance of Loan Items ..	685
9. Public Works and Services ..	677	5. Loan Expenditure in Successive Years ..	685
10. Land Revenue ..	677	6. Loan Expenditure per Head ..	685
11. Commonwealth Subsidy ..	677	§ 5. Public Debt—	
12. Miscellaneous Items of Revenue ..	678	1. Initiation of Public Borrowing ..	686
(B) DISBURSEMENTS—		2. Nature of Securities ..	686
1. Heads of Expenditure ..	678	3. Increase in Indebtedness of the Several States ..	687
2. Total Expenditure ..	678	4. Indebtedness per Head ..	687
3. Expenditure per Head ..	679	5. Flotation of Loans ..	688
4. Details of Expenditure, 1920-21 ..	679	6. Rates of Interest ..	689
5. Expenditure per Head, 1920-21 ..	679	7. Interest per Head ..	690
6. Relative Importance ..	680	8. Dates of Maturity ..	690
(C) BALANCES—		9. Sinking Funds ..	692
1. Position on 30th June, 1921 ..	680	10. Total Public Debt, Commonwealth and States ..	692
(D) PRINCIPAL STATE TAXES—		11. Commonwealth and State Taxation Acts ..	692
(a) Probate and Succession Duties—			
1. General ..	681		
(b) Stamp Duties—			
1. Revenue ..	681		
2. Bank Notes ..	682		

SECTION XXL.—PRIVATE FINANCE.

	PAGE		PAGE
§ 1. Currency—		§ 5. Life Assurance—continued.	
1. The Three Australian Mints ..	693	3. Ordinary and Industrial Business ..	710
2. Receipts and Issues in 1920 ..	693	4. Australian Business in Force ..	711
3. Total Receipts and Issues ..	693	5. Receipts and Expenditure of Assurance Societies ..	712
4. Standard Weight and Fineness of Coinage ..	694	6. Liabilities and Assets of Assurance Societies ..	713
5. Prices of Silver, and Australian Coinage ..	695		
§ 2. Banking—		§ 6. Fire Insurance—	
1. Banking Facilities ..	695	1. Australian Fire Insurance Business ..	714
2. Banking Legislation ..	696		
3. Capital Resources of Banks ..	697	§ 7. Marine Insurance ..	715
4. Liabilities and Assets of Banks ..	697		
5. Percentage of Coin, Bullion and Australian Notes to Liabilities at Call ..	699	§ 8. Friendly Societies—	
6. Deposits and Advances ..	700	1. General ..	715
7. Clearing Houses ..	702	2. Number of Societies, Lodges, and Members ..	716
		3. Sickness and Death ..	716
§ 3. Savings Banks—		4. Revenue and Expenditure ..	717
1. General ..	702	5. Funds ..	717
2. Depositors ..	702		
3. Deposits ..	703	§ 9. Probates—	
4. Annual Business ..	704	1. Number of Probates and Letters of Administration and Value of Estates ..	718
5. Commonwealth Savings Bank ..	705		
§ 4. Companies—		§ 10. Decimal Coinage—	
1. General ..	705	1. Introductory ..	719
2. Trustees, Executors and Agency Companies ..	705	2. Proposals for Coinage Reform ..	719
3. Registered Building and Investment Societies ..	705	3. Coinage and Weights and Measures ..	719
4. Registered Co-operative Societies ..	709	4. Coinage Systems of the Empire ..	720
		5. Practical Advantages and Disadvantages ..	720
§ 5. Life Assurance—		6. History of Decimal Coinage Movement in Great Britain ..	722
1. General ..	710	7. The Movement in Australia ..	724
2. Companies Transacting Business in the Commonwealth ..	710	8. Activity in British East Africa ..	724
		9. South Africa, West Africa and the West Indies ..	724

SECTION XXII.—PUBLIC INSTRUCTION.

§ 1. Evolution of Educational Systems in Australia—		§ 5. Universities—continued.	
1. Educational Systems of the States ..	725	4. University Extension ..	748
2. Recent Development in State Educational Systems ..	725	5. Soldiers' Scholarships at British Universities ..	749
		6. Workers' Educational Association ..	749
§ 2. State Schools—		§ 6. Technical Education—	
1. Introductory ..	729	1. General ..	750
2. Enrolment and Attendance ..	729	2. New South Wales ..	750
3. Schools in the Federal Capital Area ..	730	3. Victoria ..	751
4. Centralisation of Schools ..	730	4. Queensland ..	752
5. Education in Sparsely-settled Districts ..	730	5. South Australia ..	753
6. Evening Schools ..	731	6. Western Australia ..	753
7. Higher State Schools ..	731	7. Tasmania ..	754
8. Agricultural Training in State Schools ..	735	8. Attendance at Commonwealth Technical Schools ..	755
9. Teachers in State Schools ..	737	9. Expenditure on Technical Education ..	755
10. Training Colleges ..	737		
11. School Savings Banks ..	740	§ 7. Business Colleges and Shorthand Schools ..	755
12. Expenditure on State Schools ..	740		
§ 3. Private Schools—		§ 8. Diffusion of Education—	
1. Schools, Teachers, etc. ..	742	1. General Education ..	756
2. Growth of Private Schools ..	742	2. Education of Children ..	757
3. Registration of Private Schools ..	743	3. Education as shown by Marriage Registers ..	758
4. German Schools in Australia ..	743		
§ 4. Free Kindergartens ..	744	§ 9. Miscellaneous—	
		1. Scientific Societies ..	759
§ 5. Universities—		2. Libraries ..	760
1. Origin and Development ..	745	3. Museums ..	762
2. Teachers and Students of Universities ..	746	4. Art Galleries ..	763
3. University Revenues ..	747	5. State Expenditure on all Forms of Educational Effort ..	764

SECTION XXIII.—PUBLIC JUSTICE.

	PAGE		PAGE
§ 1. Police—		§ 3. Superior Courts—	
1. Introductory	765	1. Convictions at Superior Courts ..	775
2. Strength of Police Force ..	765	2. Offences for which Convictions were	
3. Duties of the Police	766	Recorded at Superior Courts ..	775
4. Cost of Police Forces	766	3. Capital Punishment	776
§ 2. Lower (Magistrates') Courts—		§ 4. Prisons—	
1. Introductory	767	1. Prison Accommodation and Prisoners	
2. Powers of the Magistrates ..	767	in Gaol	776
3. Persons Charged at Magistrates'		2. Improvement of Penological Methods ..	777
Courts	768	§ 5. Civil Courts—	
4. Convictions for Serious Crime ..	769	1. Lower Courts	780
5. Decrease in Crime	770	2. Superior Courts	780
6. Causes of Decrease in Crime ..	770	3. Divorces and Judicial Separations ..	781
7. Drunkenness	771	4. Probates	781
8. Treatment of Drunkenness as Crime ..	772	5. Bankruptcies	781
9. Remedial Treatment of Inebriates ..	773	6. High Court of Australia	782
10. Treatment of Habitual Offenders ..	773	7. Commonwealth Court of Conciliation	
11. Treatment of First Offenders ..	773	and Arbitration	783
12. Children's Courts	774	§ 6. Cost of Administration of Justice ..	783
13. Committals to Superior Courts ..	774		

SECTION XXIV.—PUBLIC BENEVOLENCE.

§ 1. Introductory—		§ 2. The Larger Charities of Australia—con-	
1. General	785	tinued.	
§ 2. The Larger Charities of Australia—		6. Hospitals for the Insane	792
1. Hospitals	785	7. Treatment of Inebriates	796
2. Principal Hospitals in each State ..	788	8. Protection of Aborigines	796
3. Benevolent and Destitute Asylums ..	789	9. Royal Life Saving Society	796
4. Orphanages, Industrial Schools, etc.	790	10. Royal Humane Society	796
5. Lepers	792	11. Other Charitable Institutions ..	797
		12. State Expenditure on Charities ..	797
		13. Total Charitable Expenditure ..	797

SECTION XXV.—GENERAL GOVERNMENT.

§ 1. Scheme of Parliamentary Government—		§ 2. Parliaments and Elections—continued.	
1. General	798	8. The Parliament of New South Wales ..	813
2. Number of Members of Legislatures ..	798	9. " " Victoria	814
3. The Cabinet and Executive Govern-		10. " " Queensland	815
ment	799	11. " " South Australia ..	816
4. The Appointment of Ministers and		12. " " West. Australia ..	817
of Executive Councillors	803	13. " " Tasmania	817
5. Enactments of the Parliament	803	§ 3. Legislation during 1921—	
6. Powers and Functions of the Govern-		1. General	818
or-General and of the Governors ..	804	2. Commonwealth	818
7. Cost of Parliamentary Government ..	805	3. New South Wales	818
§ 2. Parliaments and Elections—		4. Victoria	818
1. Qualifications for Membership and		5. Queensland	819
for Franchise	807	6. South Australia	819
2. The Federal Parliament	807	7. Western Australia	819
3. Commonwealth Referenda, 26th		8. Tasmania	820
April, 1911	809	§ 4. Administrative Government	820
4. Commonwealth Referenda, 31st		§ 5. Conspectus of Acts relating to the Consti-	
May, 1913	810	tutions of the Commonwealth and the	
5. Commonwealth Referendum, 28th		Australian States	820
October, 1916	811		
6. Commonwealth Referendum, 20th			
December, 1917	811		
7. Commonwealth Referenda, 19th De-			
cember, 1919	812		

SECTION XXVI.—LOCAL GOVERNMENT.

	PAGE		PAGE
§ 1. Introduction—		§ 4. Harbour Trusts—continued.	
1. Early History of Local Government	821	4. Geelong Harbour Trust ..	845
§ 2. Local Government Systems—		5. Bundaberg Harbour Board ..	845
1. New South Wales	821	6. Cairns Harbour Board ..	846
2. Victoria	824	7. Rockhampton Harbour Board ..	846
3. Queensland	826	8. Bunbury Harbour Board ..	846
4. South Australia	828	9. Fremantle Harbour Trust ..	846
5. Western Australia	828	10. Burnie (Tasmania) Marine Board ..	846
6. Tasmania	830	11. Hobart Marine Board ..	846
7. Northern Territory	831	12. Launceston Marine Board ..	846
§ 3. Water Supply, Sewerage and Drainage—		§ 5. Fire Brigades—	
1. New South Wales	831	1. New South Wales	847
2. Victoria	834	2. Victoria	847
3. Queensland	838	3. Queensland	848
4. South Australia	839	4. South Australia	849
5. Western Australia	840	5. Western Australia	849
6. Tasmania	842	6. Tasmania	849
§ 4. Harbour Trusts—		§ 6. Local Government Finance—	
1. Introduction	843	1. Introduction	849
2. Sydney Harbour Trust ..	843	2. Number, Revenue, Expenditure, and	
3. Melbourne Harbour Trust ..	844	Valuation of Local Authorities ..	850
		3. Local Government Loans ..	851

SECTION XXVII.—LABOUR, WAGES AND PRICES.

§ 1. Development of Trade Unions in Australia—		§ 6. Current Rates of Wage in Different Occupations and States—	
1. Historical Development of Trade Unionism in Australia ..	852	1. Minimum Rates of Wage ..	873
2. Registration under Trade Union Acts ..	852	2. Weighted Average Nominal Rate of Wage Payable to Adult Male Workers in each State ..	873
3. Registration under Industrial Arbitration Acts ..	852	3. Weighted Average Nominal Weekly Rate of Wage Payable to Adult Male Workers in each Industrial Group ..	873
4. Types of Trade Unions in Australia ..	853	4. Weighted Average Nominal Rate of Wage payable to Adult Female Workers in each State ..	874
5. Total Number of Unions ..	853	5. Weighted Average Nominal Rate of Wage payable to Adult Female Workers in Industrial Groups ..	875
6. Number of Unions and Membership in Industrial Groups ..	854	6. Relative Hours of Labour and Hourly Rates of Wage ..	875
7. Development of Trade Unions in Australia ..	855	7. Weighted Average Nominal Weekly Hours of Labour ..	877
8. Inter-State or Federated Unions ..	855	§ 7. Variations in Nominal and Effective Wages—	
9. Central Labour Organisations ..	856	1. Variations in Wage Index-Numbers in Various Industries ..	878
§ 2. Laws relating to Conditions of Labour—		2. Variations in Wage Index-Numbers in Different States ..	879
1. Tabular Statement of Statutes affecting Labour ..	856	3. Variations in Effective Wages ..	880
2. Registered Factories ..	858	4. Variations in Effective Wages and Standard of Comfort ..	881
3. Comparative Statement of Factories Law in Australia ..	859	§ 8. Changes in Rates of Wage—	
4. Mining Acts ..	859	1. General ..	882
5. Employers' Liability and Workmen's Compensation Acts ..	859	2. Comparative Summary of Changes in Rates of Wage ..	883
6. Other Acts ..	862	3. Number and Magnitude of Changes in Rates of Wage, Classified according to Industrial Groups ..	885
7. General Results of Industrial Legislation ..	862	4. Changes in Rates of Wage in Male and Female Occupations ..	886
§ 3. Legislative Regulation of Wages and Terms of Contract—		5. Methods by which Changes were Effected ..	887
1. General ..	863	§ 9. Industrial Disputes—	
2. Comparative Statement of Tribunals for Regulating Wages in Australia ..	865	1. General ..	889
§ 4. Operations under Wages Board and Industrial Arbitration Acts—		2. Comparative Summary of Disputes ..	890
1. General ..	868	3. Number and Magnitude of Industrial Disputes in Industrial Groups ..	892
2. Boards Authorised, and Awards, Determinations, and Agreements in Force ..	869	4. Duration of Industrial Disputes ..	892
§ 5. Fluctuations in Employment and Unemployment—		5. Industrial Disputes, Classified as to Causes ..	893
1. General ..	870	6. Results of Industrial Disputes ..	894
2. Number Unemployed in various Industries ..	871	7. Methods of Settlement of Industrial Disputes ..	895
3. Unemployment in different Industries ..	872	8. Industrial Disputes, Number and Magnitude ..	896
4. Unemployment in each State ..	872		

SECTION XXVII.—LABOUR, WAGES, AND PRICES—*continued.*

	PAGE		PAGE
§ 10. Retail Prices, House Rents and Cost of Living—		§ 12. Variations in the Cost of Food, Groceries, Rent, Clothing and Miscellaneous Expenditure—	
1. Introduction	897	1. Introduction	908
2. Scope of Investigation	898	2. Methods Adopted	908
3. Commodities and Requirements included	898	3. Base Period	909
4. Variations in Purchasing-Power of Money in each Metropolis	899	4. Variations in Cost in the Metropolitan Towns	909
5. Variation in Purchasing-Power of Money	905	§ 13. Wholesale Prices—	
6. Relative Cost of Food, Groceries and House Rent in different Towns	907	1. General	910
§ 11. Investigation into Purchasing-Power of Money in 150 Towns in Commonwealth—		2. Index-Numbers and Graphs	910
1. Introduction	908	3. Seasonal Fluctuations and Tables of Prices	911
2. Map shewing Relative Purchasing-Power of Money	908	4. Fluctuations in Wholesale Prices	911
		§ 10. Control of Trade and Prices during the War—	
		1. General	912
		2. Federal Control of Prices	912
		3. Control of House Rents	913

SECTION XXVIII.—DEFENCE.

§ 1. Military Defence—		§ 5. Industrial Establishments and Remount Depot—	
1. Development of State Military Systems	914	1. Commonwealth Factories	927
2. Development of Commonwealth System	914	2. Expenditure	927
3. The Present Military System	914	3. Remount Depot	927
4. Strength of Military Forces	916	§ 6. Australian Contingents—	
§ 2. Naval Defence—		1. General	928
1. Naval Defence under the States	920	§ 7. War Gratuity	930
2. Development of Commonwealth System from 1901	920	§ 8. Special Defence Legislation—	
3. The Present System	921	1. War Precautions Acts	930
4. Vessels and Personnel of the Australian Navy	924	§ 9. Repatriation—	
§ 3. Air Defence	925	1. General	931
§ 4. Expenditure on Defence—		2. Organisation of the Department	931
1. Expenditure	925	3. Policy of the Department	931
2. Expenditure for Defence Purposes	926	4. Activities of the Department	932
3. Special War Expenditure	926	5. Sustenance Rates and Pensions	932
4. Expenditure in various Countries	926	6. Summary of Work of Department	934
		7. Assistance Granted	935
		8. Settlement of Soldiers on the Land	935
		9. Conspectus of State Laws affecting Settlement of Returned Soldiers on the Land	936

SECTION XXIX.—THE TERRITORIES OF THE COMMONWEALTH.

A. GENERAL.		B. THE NORTHERN TERRITORY— <i>continued.</i>	
1. The Territories Classified	937	§ 4. Climate, Fauna and Flora—	
2. Form of Executive Government	937	1. The Seasons	942
3. Legislative Power	937	2. Fauna	942
4. Laws	938	3. Flora	942
5. Finances	938	§ 5. Production—	
B. THE NORTHERN TERRITORY.		1. Agriculture	942
§ 1. Area and Population—		2. Stock	942
1. Introductory	938	3. Mining	943
2. Area and Boundaries	938	4. Pearl, Trepang, and other Fisheries	944
3. Population	939	§ 6. Commerce and Shipping—	
§ 2. Legislation and Administration—		1. Trade	944
1. Transfer to Commonwealth	940	2. Shipping	945
§ 3. Physiography—		§ 7. Internal Communication—	
1. Tropical Nature of the Country	941	1. Railways	945
2. Contour and Physical Characteristics	941	2. Posts	945
		3. Telegraphs	945

SECTION XXIX.—THE TERRITORIES OF THE COMMONWEALTH—*continued.*

	PAGE		PAGE
B. THE NORTHERN TERRITORY—<i>continued.</i>		E. NEW GUINEA—<i>continued.</i>	
§ 8. Finance—		§ 2. General Description of the Territory of New Guinea—	
1. Revenue and Expenditure ..	946	1. Geographical Position and Area ..	963
2. Northern Territory Debt ..	946	2. Mainland of New Guinea ..	963
§ 9. Land Tenure—		3. Bismarck Archipelago and Solomon Islands ..	964
1. Present Policy ..	946	§ 3. Climate and Health—	
2. Number of Holdings ..	947	1. Climate ..	964
		2. Health ..	964
C. THE FEDERAL CAPITAL TERRITORY.		§ 4. German Administration—	
1. Introductory ..	947	1. German Colonial Policy ..	965
2. Progress of Work ..	947	2. The New Guinea Company ..	965
3. Lands in the Territory ..	948	3. Imperial Administration ..	966
4. Lands at Jervis Bay ..	948	4. Revenue ..	966
5. Railways ..	948	§ 5. Australian Military Occupation—	
6. Population and Live Stock ..	949	1. General ..	967
7. Educational Facilities ..	949	§ 6. Civil Government—	
8. Revenue and Expenditure ..	949	1. Mandate ..	968
9. Military College ..	949	2. New Guinea Act ..	971
10. Naval College at Jervis Bay ..	949	3. Establishment of Civil Government ..	971
		4. Departments and Districts ..	972
D. NORFOLK ISLAND.		5. Statute Law ..	972
1. Area, Location, etc. ..	950	6. Revenue and Expenditure ..	972
2. Settlement ..	950	7. Report to the League of Nations ..	973
3. Population and Live Stock ..	950	8. Economic Equality in the Territory ..	973
4. Production, Trade, etc. ..	950	§ 7. The Natives—	
5. Social Condition ..	951	1. Description ..	973
		2. Native Policy of German Government ..	974
E. NEW GUINEA.		3. Education of Natives in German times ..	974
1. The Island of New Guinea.		4. Native Affairs during the Military Occupation ..	975
1. Geographical Situation of New Guinea ..	951	5. Native Policy of the Civil Administration ..	975
2. Discovery ..	951	6. Native Labour ..	975
3. Colonisation] ..	951	7. Education of Natives ..	977
4. Partition ..	951	8. Health of Natives ..	977
		9. Missions ..	977
2. Papua.		§ 8. Economic Development—	
§ 1. General Description of Papua—		1. Agriculture ..	978
1. Australian Dependency of Papua ..	952	2. Live Stock ..	979
2. Annexation by Commonwealth ..	952	3. Timber ..	980
3. Physical Characteristics ..	952	4. Marine Products ..	980
§ 2. Population ..	953	5. Mining ..	980
§ 3. Native Labour, Taxation, etc. ..	953	6. Water Power ..	981
§ 4. Production—		7. Oversea Trade ..	981
1. Papuan Products ..	954	8. Communications ..	981
2. Agriculture ..	954	§ 9. Land—	
3. Live Stock ..	955	1. Land Policy of the German Government ..	981
4. Forest Products ..	955	2. Land Alienated by the German Government ..	982
5. Fisheries ..	956	3. Land Policy of the Civil Administration ..	982
6. Mining ..	956	4. Registration of Titles ..	983
7. Water Power ..	957	§ 10 Population—	
§ 5. Statistical Summary—		1. Europeans ..	983
1. Revenue and Expenditure ..	957	2. The Natives ..	983
2. Imports and Exports ..	958	3. Asiatics ..	983
3. Postal and Shipping ..	958	§ 11. Statistical Summary—	
§ 6. Land Tenure—		1. General ..	984
1. Method of Obtaining Land ..	959	§ 12. Bibliography ..	983
2. Land Tenures ..	959		
§ 7. Progress of the Territory—		F. NAURU (PLEASANT ISLAND).	
1. Statistical View of Fourteen Years' Progress ..	960	1. Description ..	994
		2. History ..	994
3. The Territory of New Guinea.		3. Administration ..	994
§ 1. German Activities in the Pacific—		4. Population ..	994
1. German Colonies in the Pacific ..	961	5. Imports and Exports ..	995
2. Occupation by Australian and New Zealand troops ..	962	6. Phosphate Deposits ..	995
		G. ASIATIC POPULATION OF THE SOUTH PACIFIC ..	996

SECTION XXX.—PUBLIC HYGIENE.

	PAGE		PAGE
§ 1. Introduction—		§ 5. Prevention of Infectious and Contagious Diseases—	
1. General	997	1. General	1003
§ 2. The Public Health Acts—		2. Quarantine	1003
1. General	997	3. Notifiable Diseases	1004
2. Commonwealth	997	4. Vaccination	1006
3. New South Wales	998	5. Commonwealth Serum Laboratories	1007
4. Victoria	998	6. Malaria and Bilharziasis	1007
5. Queensland	998	7. Venereal Diseases	1008
6. South Australia	999	§ 6. Tropical Diseases—	
7. Western Australia	999	1. Introduction	1008
8. Tasmania	1000	2. Queensland	1008
§ 3. Inspection and Sale of Food and Drugs—		3. Northern Territory	1012
1. Introduction	1000	4. Other States	1012
2. Commonwealth Jurisdiction	1001	§ 7. Supervision of Infant Life	1013
3. State Jurisdiction	1001	§ 8. Medical Inspection of School Children—	
4. Food and Drug Standardisation	1001	1. General	1013
5. The Sale and Custody of Poisons	1001	2. New South Wales	1013
§ 4. Milk Supply and Dairy Supervision—		3. Victoria	1014
1. Introduction	1002	4. Queensland	1014
2. Number of Dairy Premises Registered	1002	5. South Australia	1014
3. New South Wales	1002	6. Western Australia	1015
4. Victoria	1002	7. Tasmania	1015
5. Queensland	1002	§ 9. Nursing Activities	1015
6. South Australia	1003		
7. Western Australia	1003		
8. Tasmania	1003		

SECTION XXXI.—MISCELLANEOUS.

§ 1. Immigration, Passports, and Aliens Registration—		§ 3. Copyright—	
(a) The Encouragement of Immigration into Australia—		1. Copyright Legislation	1021
1. Introduction	1016	2. Applications for Copyright	1022
2. Joint Commonwealth and State Immigration Scheme	1016	§ 4. Old-Age and Invalid Pensions—	
3. Assisted and Nominated Passages	1016	1. General	1022
4. Overseas Settlement Committee's Free Passage Scheme	1016	2. Amounts of Old-age Pensions	1023
(b) The Regulation of Immigration into Australia—		3. Sexes of Old-age Pensioners	1023
1. Pre-Federal Restrictions	1017	4. Ages and Conjugal Condition of Old-age Pensioners	1024
2. Powers and Legislation of the Commonwealth	1017	5. Commonwealth Claims for Invalid Pensions	1024
3. Amending Immigration Act 1920	1017	6. Sexes of Invalid Pensioners	1025
4. Statistics	1017	7. Ages and Conjugal Condition of Invalid Pensioners	1025
(c) Passports	1019	8. Cost of Administration	1025
(d) Registration of Aliens	1019	§ 5. Maternity Allowance	1026
§ 2. Patents, Trade Marks, and Designs—		§ 6. War Pensions—	
1. Devolution of Jurisdiction upon the Commonwealth	1019	1. General	1026
2. Patents	1019	2. Number of Pensioners	1027
3. Trade Marks	1020	§ 7. Local Option—	
4. Designs	1020	1. General	1027
5. Applications for Trade Marks and Designs	1020	2. New South Wales	1027
6. Enemy Patents and Trade Marks	1021	3. Victoria	1028
		4. Queensland	1030
		5. South Australia	1031
		6. Western Australia	1032
		7. Tasmania	1033

SECTION XXXI.—MISCELLANEOUS—*continued.*

	PAGE		PAGE
§ 8. Valuation of Commonwealth Production—		§ 10. Commonwealth Institute of Science and Industry—	
1. Value of Production ..	1034	1. General ..	1036
2. Relative Productive Activity ..	1034	2. Work of the Institute ..	1037
		3. Publications ..	1037
§ 9. Lord Howe Island—		§ 11. Department of Chemistry, South Australia ..	1037
1. Area, Location, etc. ..	1035	§ 12. Animal and Vegetable Diseases and Pests—	
2. Settlement ..	1036	1. General ..	1037
3. Population ..	1036	§ 13. Weights and Measures—	
4. Production, Trade, etc. ..	1036	1. General ..	1037

APPENDIX.

Section IV.—Population—

§ 1. Commonwealth Population.—Its Distribution and Fluctuation—	
1. Present Population ..	1097

Section VIII.—Agricultural Production—

§ 4. Wheat—	
7. The Australian Wheat Marketing Scheme ..	1097

Section XII.—Mines and Mining—

§ 1. The Mineral Wealth of Australia—	
3. Value of Production during 1921 ..	1098

Section XV.—Commerce—

§ 2. Commonwealth Legislation affecting Trade—	
32. Customs Tariff 1922 ..	1099
33. Customs Tariff (Sugar) 1922 ..	1099
34. Customs Tariff (New Zealand Preference) (No. 2) 1922 ..	1099
35. Customs Act 1922 ..	1099

STATISTICAL SUMMARY.

STATISTICAL SUMMARY FOR THE COMMONWEALTH, 1871 TO 1921.

Heading.		Years.						
		1871.	1881.	1891.	1901.	1911.	1920.	1921.
Population	Males	923,913	1,247,059	1,736,617	2,004,836	2,382,224	2,751,622	2,798,617
	Females	771,970	1,059,677	1,504,368	1,820,077	2,191,644	2,660,696	2,711,612
	Total	1,700,883	2,306,736	3,240,985	3,824,913	4,573,868	5,412,318	5,510,229
Births	No.	63,623	80,004	110,187	102,945	122,193	136,406	136,198
	Rate	38.00	35.26	34.47	27.18	27.21	25.45	24.95
Deaths	No.	22,175	33,327	47,430	46,330	47,869	56,239	54,076
	Rate	13.24	14.69	14.84	12.22	10.66	10.50	9.91
Marriages	No.	11,623	17,244	23,862	27,753	39,482	51,552	46,869
	Rate	6.94	7.60	7.47	7.32	8.79	9.62	8.59
Agriculture—								
Wheat	Area, acs.	1,279,778	3,002,064	3,335,523	5,115,965	7,427,834	9,072,167	9,726,703
	Yld., bshl.	11,917,741	21,443,862	25,675,265	38,561,619	71,638,347	145,873,850	128,971,806
	Av.	9.31	7.14	7.70	7.54	9.64	16.08	13.26
Oats	Area, acs.	225,492	194,816	246,129	461,430	616,857	936,996	
	Yld., bshl.	4,251,630	4,705,897	5,726,256	9,789,854	9,561,771	18,521,077	
	Av.	18.85	24.62	23.27	21.22	15.50	10.77	
Barley	Area, acs.	48,164	75,864	68,068	74,511	116,466	334,747	
	Yld., bshl.	726,158	1,353,380	1,178,560	1,519,819	2,056,836	7,155,376	
	Av.	15.08	17.84	17.31	20.40	17.68	21.38	
Maize	Area, acs.	142,078	165,777	284,428	284,649	340,065	284,283	
	Yld., bshl.	4,576,635	5,726,266	9,261,922	7,034,786	8,939,855	7,258,782	
	Av.	32.21	34.54	32.56	23.86	26.29	25.53	
Hay	Area, acs.	303,274	768,388	942,166	1,668,402	2,518,288	3,233,139	
	Yld., tons	375,871	767,194	1,067,255	2,024,608	2,867,973	4,686,366	
	Av.	1.24	1.00	1.13	1.20	1.14	1.45	
Potatoes(a)	Area, acs.	67,911	76,265	112,884	109,685	130,463	140,195	
	Yld., tons	212,896	243,216	380,477	322,524	301,489	373,056	
	Av.	3.13	3.19	3.37	2.94	2.31	2.66	
Sugar Cane(d)	Area, acs.	11,576	19,708	45,444	86,950	101,010	174,001	196,000
	Yld., tons	176,632	349,627	737,573	1,367,802	1,682,250	1,470,768	2,440,000
	Av.	15.25	17.74	16.23	15.73	16.65	15.54	
Vineyards	Area, acs.	16,253	14,570	48,882	63,677	60,602	81,165	
	Wine, gal.	2,104,000	1,488,000	3,535,000	5,816,087	4,975,147	11,014,220	
	Total value all agricultural production	£ 8,941,000	15,519,000	16,480,000	23,835,000	38,774,000	112,796,000	
Pastoral, dairying, etc.—								
Live Stock	Sheep No.	40,072,955	65,092,719	106,421,068	72,040,211	93,003,521	77,897,555	
	Cattle "	4,277,228	8,010,991	11,112,112	8,491,428	11,828,954	13,499,737	
	Horses "	701,530	1,088,029	1,584,737	1,620,420	2,279,027	2,415,510	
Wool prod., lb. greasy	Pigs	586,017	703,188	845,888	931,309	1,110,721	764,406	
	Butter production lbs.	179,000,000	332,759,000	631,587,000	543,131,661	721,298,288	547,502,715	627,249,272
	Cheese "	(c)	(c)	(c)	47,433,564	101,671,066	211,573,745	208,081,864
Bacon and ham	"	(c)	(c)	(c)	10,146,929	11,575,692	15,886,712	24,160,524
	"	(c)	(c)	(c)	34,020,629	53,264,652	50,250,487	
	Total estimated value of pastoral and dairying production	£ 20,736,000	29,538,000	39,256,000	36,890,000	69,832,000	146,437,000	
Mineral production—								
Gold	£	7,916,627	5,194,390	5,281,309	14,017,508	10,551,624	5,308,092	4,018,680
	Silver and lead	£ 36,528	45,622	3,736,352	2,367,687	3,022,177	763,215	1,539,992
	Copper	£ 830,242	714,003	367,373	2,215,431	2,564,278	2,657,756	803,957
Tin..	£ 24,020	1,145,889	560,502	448,234	1,209,973	1,125,084	1,125,084	418,418
	Zinc	£ 369	200	2,979	4,067	1,415,169	249,790	283,455
	Coal	£ 330,759	637,865	1,914,026	2,602,770	3,929,673	9,508,176	11,014,831
Total value all mineral production		£ 9,190,330	7,820,290	12,108,759	21,922,665	23,494,324	22,456,943	21,005,446
Forestry production—								
Quantity of local timber	sawn or hewn	(c)	(c)	(c)	452,131	619,140	611,972	
	1,000 sup. ft.	(c)	(c)	(c)				
	Manufactories—							
No. of factories	Hands employed	(b)	(b)	(b)	(b)	14,455	16,291	17,113
	Wages paid	(b)	(b)	(b)	(b)	311,710	376,734	386,639
	Total value of output	(b)	(b)	(b)	(b)	27,528,703	52,115,558	62,931,718
Value added in process of manufacture	£					133,022,090	292,536,608	324,586,519
	£					54,017,714	104,813,731	118,720,237

(a) Partly estimated 1871 and 1881. (b) Owing to variation in classification and lack of information effective comparison is impossible. (c) Information not available. (d) Area of productive cane.

STATISTICAL SUMMARY FOR THE COMMONWEALTH—continued.

Heading.	Years.						
	1871.	1881.	1891.	1901.	1911.	1920.	1921.
Shipping—							
Oversea vessels { No. 2,748 3,284 3,778 4,028 4,174 2,981 3,674							
ent. & cleared { ton. 1,312,642 2,549,364 4,726,307 6,541,991 9,984,801 8,096,507 9,503,018							
Commerce—							
Imports oversea £ 17,017,000 29,067,000 37,711,000 42,434,000 66,967,488 163,801,826 101,063,661							
" per head £ 10/3/3 12/16/2 11/16/0 11/3/11 14/18/2 30/5/7 18/6/9							
Exports oversea £ 21,725,000 27,528,000 36,043,000 49,696,000 79,482,258 132,158,912 127,949,455							
" per head £ 12/19/6 12/2/8 11/5/6 13/2/2 17/13/10 24/8/5 23/4/5							
Total oversea trade £ 38,742,000 56,595,000 73,754,000 92,130,000 146,449,746 295,960,738 229,013,116							
" per head £ 23/2/9 24/18/10 23/1/6 24/6/1 32/12/0 54/14/- 41/11/2							
Customs and excise duties .. £ .. 4,809,326 7,440,869 8,656,360 13,515,005 31,744,300 27,546,605							
" per head, £ .. 2/2/5 2/6/7 2/5/8 2/19/2 5/17/4 5/0/3							
Principal " Oversea Ex-ports(a)—							
Wool { lbs. (greasy) 176,635,800 328,369,200 619,259,800 518,018,100 720,364,000 5,541,288 9,277,900							
" centsals 9,459,629 13,173,026 19,940,029 15,237,454 26,071,193 33,780,050 47,075,289							
Wheat { £ 479,051 3,218,792 5,876,875 12,156,035 33,088,704 48,075,130 59,963,351							
" £ 193,732 1,189,762 1,938,864 2,774,643 9,641,608 34,473,350 28,644,175							
Flour { tons 12,988 49,549 33,363 96,814 175,891 229,725 359,737							
" £ 170,415 519,635 323,423 589,604 1,391,529 4,948,756 5,519,917							
Butter { lbs. 1,812,700 1,298,800 4,239,500 34,607,400 101,722,100 924,209 1,273,474							
" £ 45,813 39,383 206,868 1,451,168 4,637,362 11,067,104 7,968,078							
Skins and hides £ 100,123 316,878 873,695 1,250,938 3,227,236 3,441,949 3,136,840							
Tallow .. £ 914,278 644,149 571,089 677,745 1,935,836 1,348,714 1,430,057							
Meats .. £ 566,780 362,065 460,894 2,611,244 4,303,159 7,019,774 5,641,102							
Timber (undressed) £ 45,586 118,117 38,448 731,301 1,023,060 1,277,892 1,161,828							
Gold £ 7,184,533 6,445,365 5,703,532 14,315,741 12,045,766 5,314,081 3,477,736							
Silver and lead £ 37,891 57,054 1,932,278 2,250,253 3,212,584 855,756 2,589,322							
Copper .. £ 598,538 676,515 417,687 1,619,145 2,345,961 2,424,624 707,314							
Coal .. £ 134,355 361,081 645,972 986,957 900,622 2,238,996 1,089,899							
Govt. Railways—							
Lgh. of line open. mls. 970 3,832 9,541 12,577 16,078 23,147 23,296							
Capital cost £ 19,269,786 42,741,350 99,764,090 123,587,000 152,194,603 231,115,732 237,479,693							
Gross revenue £ 1,102,650 3,910,122 8,654,085 11,038,000 17,847,837 32,109,319 35,930,900							
Working expenses £ 608,332 2,141,735 5,630,182 7,149,000 10,945,727 24,768,949 23,969,554							
Per cent. of work'g ex- penses on earnings % 55.17 54.77 65.06 64.76 61.33 77.14 83.39							
Postal—							
Letters and postcards dealt with No. 24,382,000 67,640,000 157,297,000 220,853,000 453,063,000 583,459,344 569,343,456							
" " per head " 14.54 29.61 49.07 58.26 100.90 110.01 104.36							
Newspapers dealt with No. 3,336,000 38,063,000 85,280,000 102,727,000 141,638,000 131,085,136 130,882,425							
" " per head " 7.95 16.66 26.61 27.10 31.54 24.73 23.99							
Cheque-paying Banks—							
Note circulation £ 2,456,487 3,978,711 4,417,269 3,406,175 876,428b 218,465 211,187							
Coin & bullion held £ 6,168,849 9,108,243 16,712,923 19,737,572 30,024,225 21,505,867 22,092,371							
Advances .. £ 26,039,573 57,732,824 129,741,583 89,167,499 116,769,133 237,535,100 233,214,626							
Deposits .. £ 21,856,959 53,849,455 98,345,338 90,965,530 147,103,081 266,515,229 273,866,737							
Savings Banks—							
Number of depositors 100,713 250,070 614,741 964,553 1,600,112 3,171,230 3,327,456							
Total deposits £ 3,193,285 7,854,480 15,536,592 30,882,645 59,393,682 143,357,487 154,396,051							
Aver. per depositor £ 31/14/2 31/8/2 25/5/6 32/0/4 37/2/4 45/4/1 46/8/0							
" head of population £ 1/18/9 3/10/5 4/18/7 8/3/0 13/8/5 26/16/4 28/0/4							
State Schools—							
Number of schools .. 2,502 4,494 6,231 7,012 8,060 9,304							
Teachers .. 4,641 9,028 12,564 14,500 16,971 25,558							
Enrolment .. No. 236,710 432,320 561,153 638,478 638,850 801,405							
Aver. attendance .. 137,767 255,143 350,773 450,246 463,799 632,182							

(a) Australian produce, except gold, which includes re-exports.

(b) Decrease due to prohibition of re-issue

CHRONOLOGICAL TABLE.

CHRONOLOGICAL TABLE OF CHIEF EVENTS SINCE THE ESTABLISHMENT OF SETTLEMENT IN AUSTRALIA.

NOTE.—The Government was centralised in Sydney, New South Wales, up to 1825, when Tasmania (Van Diemen's Land) was made a separate colony. In the Table, the names now borne by the States serve to indicate the localities.

Year.

- 1788 N.S.W.—Arrival of "First Fleet" at Botany Bay. Land in vicinity being found unsuitable for settlement, the expedition moved to Sydney Cove (now Port Jackson). Formal possession of Port Jackson taken by Captain Phillip on 26th January. Formal proclamation of colony on 7th February. Population, 1,024. Branch settlement established at Norfolk Island. French navigator Lapérouse visited Botany Bay. First cultivation of wheat and barley. First grape vines planted.
- 1789 N.S.W.—First wheat harvest at Parramatta, near Sydney. Discovery of Hawkesbury River. Outbreak of small-pox amongst aborigines.
- 1790 N.S.W.—"Second Fleet" reached Port Jackson. Landing of the New South Wales Corps. Severe suffering through lack of provisions. First circumnavigation of Australia by Lieut. Ball.
- 1791 N.S.W.—First Exploration Map of Australia published. Arrival of "Third Fleet." Territorial seal brought by Governor King.
- 1792 N.S.W.—Visit of *Philadelphia*, first foreign trading vessel. Population, 4,203.
- 1793 N.S.W.—First free immigrants arrived in the *Bellona*. First Australian church opened at Sydney. Tas.—D'Entrecasteaux discovered the Derwent River.
- 1794 N.S.W.—Establishment of settlement at Hawkesbury River.
- 1795 N.S.W.—Erection of the first printing press at Sydney. Descendants of strayed cattle discovered at Cowpastures, Nepean River.
- 1796 N.S.W.—First Australian theatre opened at Sydney. Coal discovered by fishermen at Newcastle.
- 1797 N.S.W.—Introduction of merino sheep from Cape of Good Hope.
- 1798 Tas.—Tasmania proved an island by voyage of Bass and Flinders.
- 1800 N.S.W.—First export of coal. First Custom House in Australia established at Sydney. Flinders' charts published. First issue of copper coin. Population, 5,995.
- 1801 N.S.W.—First colonial manufacture of blankets and linen.
- 1802 Vic.—Discovery of Port Phillip by Lieut. Murray. S.A.—Discovery of Spencer's and St. Vincent Gulfs by Flinders. Q'land.—Discovery of Port Curtis and Port Bowen by Flinders.
- 1803 N.S.W.—First Australian wool taken to England by Capt. Macarthur. Issue of "The Sydney Gazette," first Australian newspaper. Vic.—Attempted colonisation of Port Phillip by Collins. Discovery of Yarra by Grimes. Tas.—First settlement formed at Risdon by Lieut. Bowen.
- 1804 N.S.W.—Insurrection of convicts at Castle Hill. Vic.—Abandonment of settlement at Port Phillip. Tas.—Foundation of settlement at Hobart by Collins, and at Yorktown by Colonel Paterson.
- 1805 N.S.W.—First extensive sheep farm established at Camden by Capt. Macarthur. Portion of convicts from Norfolk Island transferred to Tasmania.
- 1806 N.S.W.—Shortage of provisions. Floods. Tas.—Settlement at Launceston.
- 1807 N.S.W.—Final shipment of convicts from Norfolk Island. First shipment of merchantable wool (245 lbs.) to England.
- 1808 N.S.W.—Deposition of Governor Bligh.
- 1810 N.S.W.—First post-office established at Sydney. First race meeting in Australia at Hyde Park, Sydney. Population, 11,590. Tas.—First Tasmanian newspaper printed.
- 1813 N.S.W.—Passage across Blue Mountains discovered by Wentworth, Lawson, and Blaxland. Macquarie River discovered by Evans.

Year.

- 1814 N.S.W.—Australia, previously known as “New Holland,” received present name on recommendation of Flinders. Creation of Civil Courts.
- 1815 N.S.W.—Town of Bathurst founded by Governor Macquarie. First steam engine in Australia erected at Sydney. Lachlan River discovered by Evans. Tas.—Arrival of first immigrant ship with free settlers. First export of wheat to Sydney. Port Davey and Macquarie Harbour discovered by Capt. Kelly.
- 1816 N.S.W.—Botanic Garden formed at Sydney.
- 1817 N.S.W.—Oxley’s first exploration inland. Discovery of Lakes George and Bathurst and the Goulburn Plains by Meehan and Hume. First bank in Australia opened at Sydney. Tas.—Great prosperity in wool and whaling industries.
- 1818 N.S.W.—Cessation of free immigration. Liverpool Plains, and the Peel, Hastings, and Manning Rivers discovered by Oxley, and Port Essington by Captain King.
- 1819 N.S.W.—First Australian Savings Bank at Sydney opened.
- 1820 N.S.W.—Foundation of Campbelltown. Clyde River discovered by Lieut. Johnson. Tas.—First importation of pure merino sheep.
- 1821 N.S.W.—Foundation of Philosophical (now Royal) Society. Population, 35,610. Tas.—Establishment of penal settlement at Macquarie Harbour. First Circuit Court held at Hobart.
- 1822 N.S.W.—Formation of Agricultural Society of N.S.W.
- 1823 N.S.W.—First Australian Constitution. Discovery of gold at Fish River by Assistant-Surveyor McBrien. Arrival in Sydney of Dr. John Dunmore Laing Qld.—Brisbane River discovered by Oxley.
- 1824 N.S.W.—Became a Crown Colony. Executive Council formed. Establishment of Supreme Court at Sydney, and introduction of trial by jury. First Australian Enactment (Currency Bill) passed by the Parliament at Sydney. Proclamation of freedom of the press. First land regulations. First manufacture of sugar. Vic.—Hume and Hovell, journeying overland from Sydney, arrived at Corio Bay. Qld.—Penal settlement founded at Moreton Bay (Brisbane). Fort Dundas Settlement formed at Melville Island, N. Terr.
- 1825 Tas.—Proclamation of Independence of Van Diemen’s Land (Tasmania) and appointment of a nominated Legislative Council for the new colony.
- 1826 N.S.W.—Illawarra district, settlement at. Vic.—Settlement at Corinella, Western Port, formed by Captain Wright. W.A.—Military Settlement founded at King George’s Sound, Albany, by Major Lockyer.
- 1827 N.S.W.—Colony became self-supporting. Feverish speculation in land and stock. Qld.—Darling Downs and the Condamine River discovered by Allan Cunningham. Fort Wellington established at Raffles Bay, N. Terr. Tas.—Copper ore discovered at Macquarie Harbour.
- 1828 N.S.W.—Second constitution. First Census. Sturt’s expedition down Darling River. Cotton first grown in Sydney Botanical Gardens. Gas first used at Sydney. Richmond and Clarence Rivers discovered by Captain Rous. Vic.—Abandonment of settlement at Western Port. Qld.—Cunningham discovered a route from Brisbane to the Darling Downs, and explored Brisbane River to its source. Tas.—First land sales.
- 1829 N.S.W.—Sturt’s expedition down Murrumbidgee River. New South Wales Act proclaimed. All English law, so far as circumstances of the Colony allowed, came into force. W.A.—Foundation of settlement at Swan River, under command of Lieut.-Governor Stirling. Perth also founded.
- 1830 N.S.W.—Insurrection of convicts at Bathurst. Sturt, voyaging down Murrumbidgee and Murray Rivers, arrived at Lake Alexandrina. Qld.—Murder of Captain Logan by convicts at Brisbane. Tas.—Trouble with natives. Black line organised to force aborigines into Tasman’s Peninsula, but failed. Between 1830 and 1835, however, George Robinson, by friendly suasion, succeeded in gathering the small remnant of aborigines (203) into settlement on Flinders Island.
- 1831 N.S.W.—Crown lands first disposed of by public competition. Mitchell’s explorations north of Liverpool Plains. Arrival at Sydney of first steamer, *Sophia Jane*, from England. S.S. *Surprise*, first steamship built in Australia, launched at Sydney. First coal shipped from Australian Agricultural Company’s workings at Newcastle, N.S.W. First assisted immigration to N.S.W. S.A.—Adelaide district discovered by Captain Barker. Murder of Barker by aborigines at Lake Alexandrina. Wakefield’s first colonisation committee. W.A.—Appointment of Executive and Legislative Council. First newspaper—“Fremantle Observer.” Lord Ripon’s land regulations in N.S.W., W.A., and Tas.

Year.

- 1832 N.S.W.—Savings Bank of N.S.W. established.
- 1833 N.S.W.—First School of Arts established at Sydney.
- 1834 N.S.W.—First settlement at Twofold Bay. Vic.—Settlement formed at Portland Bay by Henty Bros. Qld.—Leichhardt reached Gulf of Carpentaria. S.A.—Formation of the South Australian Association. Imperial Act Colonisation of S.A. W.A.—Severe reprisals against natives at Pinjarrah.
- 1835 N.S.W.—Establishment of depot at Fort Bourke on the Darling River, by Mitchell. Vic.—John Batman arrived at Port Phillip; made treaty with the natives for 600,000 acres of land; claim afterwards disallowed by Imperial Government. John Pascoe Fawkner founded Melbourne.
- 1836 N.S.W.—Mitchell's overland journey from Sydney to Cape Northumberland, Vic., "Squatting" formally recognised. Vic.—Proclamation of Port Phillip district as open for settlement. Captain Lonsdale first Resident Magistrate. S.A.—Settlement founded at Adelaide under Governor Hindmarsh.
- 1837 N.S.W.—Appointment in London of Select Committee on Transportation. Vic.—Melbourne planned and named by Governor Bourke. First Victorian post-office established in Melbourne. First sale of Crown lands in Melbourne. First overlanders from Sydney arrived at Port Phillip. S.A.—Adelaide planned by Captain Light. First newspaper published, and first sale of Crown lands.
- 1838 N.S.W.—Discontinuance of assignment of convicts. Drought and failure of crops. Frenzied speculation. Vic.—First Victorian paper published at Melbourne. Qld.—Settlement of German missionaries at Brisbane. S.A.—"Overlanding" of cattle from Sydney to Adelaide along the Murray route by Hawden and Bonney. Settlement at Port Essington, Northern Territory, formed by Captain Bremer.
- 1839 N.S.W.—Gold found at Vale of Clwydd by Count Strzelecki. Vic.—Appointment of Mr. C. J. La Trobe as Superintendent Port Phillip district. S.A.—Lake Torrens discovered by Eyre. Port Darwin discovered by Captain Stokes. W.A.—Murchison River discovered by Captain Grey.
- 1840 N.S.W.—Abolition of transportation to New South Wales. Land regulations—proceeds of sales to be applied to payment for public works and expenditure on immigration. Foundation of viticultural industry. Monetary crisis. Vic.—Determination of northern boundary. Colonists desire separation. Qld.—Penal settlement broken up and Moreton Bay district thrown open. S.A.—Incorporation of Adelaide. Eyre began his overland journey from Adelaide to King George's Sound. Tas.—Visit of the *Erebus* and *Terror* to Hobart. Sir J. D. Hooker investigated the island flora.
- 1841 N.S.W.—Gold found near Hartley by Rev. W. B. Clarke. Separation of New Zealand. W.A.—Completion of Eyre's overland journey from Adelaide to King George's Sound. Tas.—Renewal of transportation.
- 1842 N.S.W.—Incorporation of Sydney. Vic.—Incorporation of Melbourne. S.A.—Discovery of copper at Kapunda.
- 1843 N.S.W.—First Representative Constitution. First manufacture of tweed. Financial crisis. Qld.—Moreton Bay granted legislative representation. Tas.—Agitation against further introduction of convicts.
- 1844 S.A.—Sturt's last expedition inland. Qld.—Leichhardt's expedition from Condamine River to Port Essington.
- 1845 N.S.W.—Mitchell's explorations on the Barcoo. Qld.—Explorations by Mitchell and Kennedy. S.A.—Discovery of the Burra copper deposits. Sturt discovered Cooper's Creek. W.A.—First steam vessel (*H.M.S. Driver*) visited Fremantle.
- 1846 N.S.W.—Mr. Gladstone proposed to revive transportation. Initiation of meat preserving. Qld.—Foundation of settlement at Port Curtis. S.A.—Proclamation of North Australia. W.A.—Foundation of New Norcia Mission.
- 1847 N.S.W.—Crown Land Leases Act. Iron smelting commenced near Berrima. Overland mail established between Sydney and Adelaide. Vic.—Melbourne created a City. Qld.—Explorations by Leichhardt, Burnett, and Kennedy. W.A.—Issue of regulations for leasing Crown lands. First export of guano.
- 1848 N.S.W.—Attempts to revive transportation. Influx of Chinese. Qld.—Leichhardt's last journey. Kennedy speared by the blacks at York Peninsula. Chinese brought in as shepherds. W.A.—Copper and lead discovered in the Champion Bay district by the Messrs. Gregory.

Year.

- 1849 N.S.W.—Indignation of colonists at arrival of convict ship *Hashemy*. Exodus of population to goldfields of California. Vic.—*Randolph* prevented from landing convicts. Qld.—Assignment of convicts per *Hashemy* to squatters on Darling Downs. W.A.—Commencement of transportation to Western Australia.
- 1850 N.S.W.—Final abolition of transportation. First sod of first Australian railway turned at Sydney. University incorporated. Vic.—Gold discovered at Clunes by Hon. W. Campbell. Representative government granted. S.A.—Representative government granted. W.A.—Pearl oysters found by Lieut. Helpman at Saturday Island Shoal. Tas.—Representative government granted. Discovery of coal at the Don and Mersey.
- 1851 N.S.W.—Payable gold discovered by Hargraves at Lewis Ponds and Summerhill Creeks. Telegraph first used. Vic.—Separation of Port Phillip—erected into independent colony under the name of Victoria. Discovery of gold in various localities. "Black Thursday," 6th Feb., a day of intense heat, when several persons died and a vast amount of damage to property was occasioned by fires. Qld.—Agitation for separation from New South Wales. S.A.—Financial depression. Tas.—Serious exodus of population to goldfields on mainland. W.A.—Proclamation of Legislative Council Act.
- 1852 N.S.W.—Destruction of Gundagai by flood—77 lives lost. Arrival of the *Chusan*, first P. and O. mail steamer from England. S.A.—First steamer ascends the Murray River to the junction with the Darling. Tas.—Meeting of first elective Council protests against transportation. Payable gold discovered at The Nook, near Fingal, and at Nine Mile Springs.
- 1853 Vic.—University established. Tas.—Abolition of transportation.
- 1854 N.S.W.—Russian war-scare and volunteer movement. Vic.—Opening of first Victorian railway—Flinders Street to Port Melbourne. Riots on Ballarat goldfields. Storming of the Eureka Stockade, 3rd Dec.
- 1855 N.S.W.—Opening of railway—Sydney to Parramatta. Introduction of responsible Government. Mint opened. Vic.—Proclamation of Constitution. Qld.—Gregory's expedition in search of Leichhardt. Tas.—Responsible government introduced.
- 1856 N.S.W.—First elective Parliament. Pitcairn Islanders placed on Norfolk Island, which was placed under jurisdiction of Governor of New South Wales. Vic.—First Parliament under responsible government. S.A.—Responsible government introduced. Tas.—First Parliament under responsible government, W.A.—A. C. Gregory's expedition in search of Leichhardt.
- 1857 N.S.W.—Heavy floods. Wreck of the *Dunbar* (119 lives lost), and *Catherine Adamson* (21 lives lost), at Sydney Heads. Select Committee on Federation. Vic.—Manhood suffrage established. S.A.—First Parliament under responsible government. Exploration by Babbage and Warburton. Passage of Torrens' Real Property Act.
- 1858 N.S.W.—Establishment of manhood suffrage and vote by ballot. Telegraphic communication between Sydney, Melbourne, and Adelaide. S.A.—Stuart's explorations. Qld.—The Canoona gold rush.
- 1859 Qld.—Proclamation of Queensland as separate colony. Tas.—First submarine cable, via Circular Head and King Island, to Cape Otway.
- 1860 N.S.W.—Disastrous floods on the Shoalhaven and at Araluen. Vic.—Burke and Wills left Melbourne on their journey across Continent. Qld.—First Parliament under responsible government. S.A.—Copper discoveries at Wallaroo and Moonta.
- 1861 N.S.W.—Anti-Chinese riots at Lambing Flat and Burrangong goldfields. Opening of first tramway in Sydney. Robertson's Land Acts. Messrs. Parkes and Dalley proceeded to London as emigration lecturers. Regulation of Chinese immigration. Vic.—Conference of Statisticians, Melbourne. Burke and Wills perished at Cooper's Creek, near Innamincka, S.A. W.A.—Exploration of F. Gregory in the North-west.
- 1862 N.S.W.—Raid by bushrangers on the Lachlan gold escort (£14,000 taken). Abolition of State aid to religion. Real Property Act. Vic.—C. Gavan Duffy's Land Act. Qld.—McKinlay's explorations. Heavy floods on Fitzroy River. S.A.—Stuart crossed the Continent from south to north. W.A.—Severe floods—damage to property, £30,000. First export of pearl-shell.
- 1863 N.S.W.—Bathurst and Canowindra "held up" by bushranger Gilbert. Vic.—Intercolonial conference at Melbourne. S.A.—Northern Territory taken over. W.A.—Initiation of settlement in the North-west district. Establishment of Post Office (now Government) Savings Bank.

Year.

- 1864 N.S.W.—Frequent outrages by bushrangers. Qld.—First railway begun and opened. First sugar made from Queensland cane. W.A.—Messrs. Panton, Harding, and Goldwyer murdered by natives. Tas.—First successful shipment of English salmon ova.
- 1865 N.S.W.—Destruction by fire of St. Mary's Cathedral, Sydney.
- 1866 N.S.W.—Passage of Public Schools Act of (Sir) Henry Parkes. Qld.—Financial crisis. S.A.—Introduction of camels for exploration, etc.
- 1867 Vic.—Imposition of protective tariff. Qld.—Discovery of gold at Gympie.
- 1868 N.S.W.—Attempted assassination of the Duke of Edinburgh at Clontarf, near Sydney. Qld.—Passage of Act to regulate island labour traffic. W.A.—Arrival of the *Hougomont*, last convict ship. Tas.—First sod of first railway (Launceston and Western) turned by Duke of Edinburgh.
- 1869 N.S.W.—Establishment of Eskbank Iron Company. Vic.—Reduction of property qualification for members and electors of Legislative Council. W.A.—First telegraph line opened from Perth to Fremantle. Tas.—Second cable opened.
- 1870 N.S.W.—Intercolonial Exhibition opened at Sydney. Imperial troops withdrawn. Vic.—Intercolonial Congress at Melbourne. S.A.—Commencement of trans-continental telegraph.
- 1871 N.S.W.—Permanent military force raised. Vic.—Increase of protective duties. W.A.—Passage of Elementary Education Act. Forrest's explorations. Tas.—Discovery of tin at Mount Bischoff. Launceston-Western railway opened for traffic.
- 1872 N.S.W.—International Exhibition at Sydney. Death of W. C. Wentworth. Vic.—Mint opened. Qld.—Discovery of tin at Stanthorpe, copper at Mt. Perry, coal at Wide Bay, gold at the Palmer. S.A.—Cable from Java to Port Darwin. Completion of transcontinental telegraph line. W.A.—Cyclonic storms—destruction of town of Roebourne. Tas.—Completion of direct telegraphic communication with England.
- 1873 N.S.W.—Intercolonial Conference at Sydney. First volunteer encampment. Inauguration of mail service with San Francisco. W.A.—Warburton crossed from transcontinental telegraph line to head of De Grey River.
- 1874 N.S.W.—Triennial Parliaments Act passed. Intercolonial Conference. Qld.—Dalrymple's discoveries on north-eastern seaboard. S.A.—Adelaide University founded. W.A.—Explorations by E. Giles. John and Alexander Forrest arrived at Overland Telegraph from Murchison.
- 1875 Qld.—Transfer of Port Albany Settlement to Thursday Island. S.A.—Wreck of the *Gothenburg*—Judge Wearing and other well-known Adelaide citizens drowned. Education Act passed. Explorations by Giles, Gosse, and Warburton. Tas.—Conference of Statisticians, Hobart.
- 1876 N.S.W.—Completion of cable—Sydney (La Perouse) to Wellington (Wakapuaka). Vic.—Members of Legislative Assembly increased to 86. W.A.—Violent gale at Exmouth Gulf, number of pearling vessels wrecked, 69 lives lost. Giles crosses colony from east to west. Tas.—Death of Truganini, last representative of Tasmanian aborigines.
- 1877 Vic.—Deadlock on question of payment to members. W.A.—Opening of telegraphic communications with South Australia. Tas.—Discovery of rich gold-bearing quartz reef at Beaconsfield.
- 1878 N.S.W.—Seamen's strike. Vic.—Visit to England of Victorian delegation re alteration of Victorian Constitution. "Black Wednesday"—wholesale dismissal of civil servants. Qld.—Restriction of Chinese immigration.
- 1879 N.S.W.—First artesian bore at Killara. International Exhibition at Garden Palace, Sydney. First steam tramway. First issue of silver coin from Mint. W.A.—Celebration of 50th anniversary of foundation of colony. A. Forrest's explorations in the Kimberley district, and discovery of the Fitzroy pastoral country.
- 1880 N.S.W.—Public Instruction Act passed. Sydney streets partially wood-paved. Vic.—Opening of first Victorian International Exhibition at Melbourne. Federal Conference, at Melbourne and Sydney.
- 1881 N.S.W.—Further restrictions on Chinese immigration. Vic.—Reduction of property qualification for members and electors of Legislative Council, number of members increased to 42. W.A.—Cyclone near Roebourne wrecked number of pearling vessels. On the Ashburton, 1,000 sheep destroyed by cyclone. First simultaneous Australian Census, population 2,250,194. Visit to Australia of T.R.H. Prince Albert Victor and Prince George of Wales.

Year.

- 1882 N.S.W.—Garden Palace destroyed by fire. W.A.—Nugget of gold found between Roebourne and Cossack.
- 1883 N.S.W.—Discovery of silver at Broken Hill. Completion of railway between New South Wales and Victoria. Qld.—Annexation of New Guinea—repudiated by Imperial authorities.
Federal Conference held at Sydney. Federal Council created.
- 1884 N.S.W.—Land legislation restricting sales by auction. Vic.—Appointment of First Public Service Board. W.A.—Stockdale's explorations.
Federation Bill passed in Victoria and rejected in New South Wales. British protectorate declared over New Guinea.
- 1885 N.S.W.—Military contingent sent to the Sudan. Opening of the Broken Hill Proprietary Silver Mines. Qld.—Agitation for division of the colony. W.A.—Gold found by prospectors on the Margaret and Ord Rivers in the Kimberley district. Tas.—Silver-lead discovered at Mount Zeehan.
- 1886 N.S.W.—Industrial depression. Wreck of the *Ly-ee-Moon*, *Coringamite*, and *Helen Nicol*. S.A.—Celebration of jubilee of foundation of province. W.A.—Proclamation of Kimberley goldfields. Tas.—Discovery of gold and copper at Mount Lyell.
First session of Federal Council met at Hobart on the 26th January.
- 1887 N.S.W.—Disaster at Bulli coal mine (81 lives lost). Peat's Ferry (Hawkesbury River) railway accident. S.A.—International Exhibition at Adelaide. W.A.—Cyclone destroyed nearly the whole pearling fleet off the Ninety-Mile Beach—200 lives lost. Gold discovered at Southern Cross.
Australasian Conference in London. Australasian Naval Defence Force Act passed.
- 1888 N.S.W.—Destructive bush fires. Centennial celebrations. Restrictive legislation against Chinese, imposing poll-tax of £100. Vic.—Second Victorian International Exhibition held at Melbourne. Members of Legislative Council increased to 48, and of Assembly to 95. Qld.—Railway communication opened between Sydney and Brisbane. W.A.—Favenc's explorations.
Centenary of first settlement in Australia. Conference of Australian Ministers at Sydney to consider question of Chinese immigration. First meeting of the Australasian Association for the Advancement of Science held in Sydney. Imperial Defence Act passed.
- 1889 N.S.W.—Destructive floods, Hunter River. Qld.—Direct railway communication established between Brisbane and Adelaide. W.A.—Framing of new Constitution. Tas.—University founded.
- 1890 N.S.W.—Strike at Broken Hill. Maritime and shearers' strikes. Payment of members of Parliament. Destructive bush fires. Qld.—Wreck of the *Quetta*—146 lives lost. Floods and hurricanes. Industrial depression. W.A.—Responsible government granted.
Meeting at Melbourne of Australasian Federation Conference. Pre-censal Conference of Statisticians at Hobart.
- 1891 N.S.W.—Election to Legislative Assembly of 35 Labour members. Arrival of Australian Auxiliary Squadron. Collapse of several building societies. Cessation of assisted immigration. W.A.—Discovery of gold on the Murchison. Federal Convention in Sydney, draft bill framed and adopted. Second simultaneous Australian census. Population, 3,174,392.
- 1892 N.S.W.—Broken Hill miners' strike. Run on Government Savings Bank. Women's College, Sydney University, opened. Vic.—Suspension of Railway Commissioners. W.A.—Discovery of gold by Messrs. Bayley and Ford at Coolgardie.
- 1893 N.S.W.—Departure by the *Royal Tar* of colonists for "New Australia." Electoral Act—"One man one vote." Financial crisis, chiefly affecting the eastern States. Qld.—Brisbane floods.
- 1894 N.S.W.—Shearers' strike. S.A.—Adult Suffrage Bill assented to. Industrial depression.
- 1895 N.S.W.—Crown Lands Act of 1895. Free-trade tariff. Land and income taxes introduced.
Conference of Premiers at Hobart *re* Federation.
- 1896 N.S.W.—People's Federal Convention at Bathurst. S.A.—Departure of Calvert expedition.
- 1897 S.A.—Floods and storms at Adelaide. Death of Sir Thomas Elder. Earthquake and hurricane in Northern Territory. Town of Palmerston destroyed.
- 1897-8 Sessions of Federal Convention at Adelaide, Sydney, and Melbourne.

Year.

- 1898 N.S.W.—First surplus of wheat for export.
Draft Federal Constitution Bill submitted to electors in Victoria, New South Wales, South Australia, and Tasmania. Requisite statutory number of votes not obtained in New South Wales.
- 1899 First contingent of Australian troops sent to South Africa. Conference of Premiers in Melbourne to consider amendments to Federal Constitution Bill, Referendum—Bill accepted by New South Wales, Victoria, Queensland, South Australia, and Tasmania.
- 1900 N.S.W.—Old-age pensions instituted. W.A.—Agitation for separation by gold-fields.
Contingents of naval troops sent to China.
Commonwealth Constitution Act received Royal Assent, 9th July. Mr. (afterwards Sir) Edmund Barton formed first Federal Ministry.
- 1901 Vic.—Old-age Pensions instituted.
Proclamation of the Commonwealth at Sydney. First Federal Parliament opened at Melbourne by the Duke of Cornwall and York. Simultaneous Australasian Census—population of the Commonwealth, 3,773,801. Interstate freetrade established.
- 1902 N.S.W.—Disastrous explosion at Mount Kembla Colliery—95 lives lost. Women's franchise granted. Jubilee of Sydney University. S.A.—Reduction of number of members of both Houses of Parliament. W.A.—Opening of pumping station at Northam in connection with Goldfields water supply.
First Federal Tariff.
- 1903 Vic.—Railway Strike (Enginemen). W.A.—Coolgardie and Kalgoorlie water supply scheme completed.
Inauguration of the Federal High Court. Conference of Statisticians in Melbourne.
- 1904 N.S.W.—Reduction of members of Legislative Assembly from 125 to 90.
- 1905 N.S.W.—Re-introduction of assisted immigration.
- 1906 Wireless telegraphy installed between Queenscliff, Vic., and Devonport, Tas. Conference of Statisticians of Australian States and New Zealand. Papua taken over by Commonwealth.
- 1907 N.S.W.—Telephone, Sydney to Melbourne, opened.
Imperial Conference in London. Introduction of new tariff in Federal Parliament. Preference to United Kingdom. Allowance to Federal members of Parliament increased from £400 to £600.
- 1908 Vic.—Railway accident at Braybrook Junction (Sunshine)—44 killed, 412 injured; compensation paid, £126,000.
Yass-Canberra chosen as site of Federal Capital. Interstate Premiers' Conference at Melbourne.
- 1909 N.S.W.—Miners' strikes at Broken Hill and Newcastle. Qld.—University established. S.A.—*Clan Ranald* foundered in St. Vincent's Gulf—40 drowned. W.A.—Cyclone at Broome.
Imperial Defence Conference in London—Commonwealth ordered two destroyers and one first-class cruiser for fleet unit. Visit of Lord Kitchener to report and advise on Commonwealth military defence. Loss of the *Waralak* with 300 passengers and crew.
- 1910 Vic.—Railway accident at Richmond—9 killed, over 400 injured; compensation paid, £129,000. W.A.—Cyclone at Broome—several pearling vessels wrecked, three whites and many coloured fishermen drowned. Wreck of the *Periclea* off Cape Leeuwin.
Referendum on financial relations between the Commonwealth and the States. Proclamation taking over Yass-Canberra (in New South Wales) as site for Federal Capital. Penny postage. Visit of Scottish Agricultural Commission. Arrival of the *Yarra* and *Parramatta*, first vessels of Australian navy. Australian Notes Act passed and first Commonwealth notes issued. Admiral Sir R. Henderson visited Australia to advise on naval defence.
- 1911 First Federal Census—population of the Commonwealth, 4,455,005. Transfer of Northern Territory to Commonwealth. Federal referenda relating to Monopolies and Industrial Legislation—proposals rejected. Introduction of compulsory military training. Launch of Commonwealth destroyer *Warrego* at Sydney. Establishment of penny postage to all parts of British Empire. Western Australian University founded.

Year.

- 1912 Commonwealth Bank opened. First payments of Maternity Bonus. First sod turned at Port Augusta of Trans-Australian Railway (Port Augusta to Kalgoorlie). Administrators to Northern and Federal Territories appointed. Gift of £1,000,000 to charities by Mrs. Walter Hall, Sydney, N.S.W.
- 1913 Arrival of battle cruiser *Australia*, and cruisers *Melbourne* and *Sydney*. Foundation stone of Commonwealth Building in London laid by the King. Federal Capital named Canberra and foundation stone laid. Appointment of Interstate Commission. Visit of Empire Trade Commission. Visit of Members of Empire Parliamentary Association.
- 1914 Visit of General Sir Ian Hamilton to report on military defence scheme. Double dissolution of Federal Parliament. Visit of British Association for the Advancement of Science.
- European War. Australian Navy transferred to Imperial Navy. Captured vessels added to Australian fleet. Submarine AE1 lost at sea whilst on service in the vicinity of New Britain. German Pacific possessions seized by Australian expeditionary force (military and naval). Australian troops offered to, and accepted by Imperial Government. German Cruiser *Emden* destroyed at North Cocos Island by H.M.A.S. *Sydney*.
- 1915 Opening of Broken Hill Proprietary's Ironworks at Newcastle, N.S.W. Referendum for purpose of giving increased powers to the Commonwealth abandoned. Navy Department created. Formation of Australian Wheat Board. First War Loan, £13,389,000.
- Australian troops landed at Dardanelles on 25th April. Loss of Submarine AE2 in operations at the Dardanelles. Census taken of Wealth and Income, and of Males in Australia between ages of 17 and 60. Australian troops withdrawn from Gallipoli on 19th December.
- 1916 Record wheat harvest (180,000,000 bushels). Special recruiting campaign instituted. Australian troops transferred to France. Visit of Rt. Hon. W. M. Hughes, P.C., K.C., Prime Minister, to Canada, Great Britain, and South Africa, and to troops in England and France. Acquisition of steamships by the Commonwealth. First Military Service Referendum—proposal rejected. Second War Loan, £21,656,000.
- 1917 National Ministry formed. Third War Loan, £23,588,000. General strike. Kalgoorlie-Port Augusta railway completed. Second Military Service Referendum. Fourth War Loan, £21,584,000. Fifth War Loan, £21,214,000.
- 1918 Population of Australia reaches 5,000,000. Australian troops in France formed into an Army Corps, commanded by Lieut.-Gen. Sir John Monash. Cessation of hostilities and surrender of Germany. Sixth War Loan, £42,952,000. Seventh War Loan, £44,084,000. Repatriation Department created. Australia House (Strand, London) opened by the King. Australian representative for United States appointed. Death of Sir G. H. Reid. Death of Lord Forrest of Bunbury.
- 1918-1919 Visit to America and Europe of Rt. Hon. W. M. Hughes, P.C., K.C., Prime Minister, representative at Peace Conference.
- 1919 Epidemic of influenza. Seamen's strike. Strike of Broken Hill miners. Aerial flight England to Australia by Capt. Sir Ross Smith and Lieut. Sir Keith Smith. Death of Hon. Alfred Deakin. Conference in London re Double Income Tax. Visit to Australia of General Sir W. Birdwood. Visit of Admiral Lord Jellicoe. First Peace Loan, £25,025,000.
- 1920 Visit to Australia of H.R.H. the Prince of Wales. Aerial flight England to Australia by Lieuts. Parer and McIntosh. Death of Rt. Hon. Sir Edmund Barton. Death of Rt. Hon. Sir Samuel Griffith. Imperial Statistical Conference in London. Increase of allowance to Federal Members from £600 to £1000. Second Peace Loan, £26,613,000. Introduction of new Tariff in Federal Parliament.
- 1921 Visit to Imperial Conference of Rt. Hon. W. M. Hughes, P.C., K.C., Prime Minister. Second Commonwealth Census—population of Commonwealth, 5,436,794. Germany's Indemnity fixed (Australia's share approximately £63,000,000). Visit of Senator Pearce (Minister for Defence) to Disarmament Conference at Washington. Mining Disaster at Mt. Mulligan, Queensland—76 lives lost. Mandate given to Australia over certain captured German Territory in the Pacific. Peace Loan, £10,000,000. Total War and Peace Loans raised to 15th June, 1921, £240,000,000.